

1990

CENSUS OF
POPULATION
AND HOUSING

SERIES CPH (4)

CONGRESSIONAL
DISTRICTS OF THE
103RD CONGRESS

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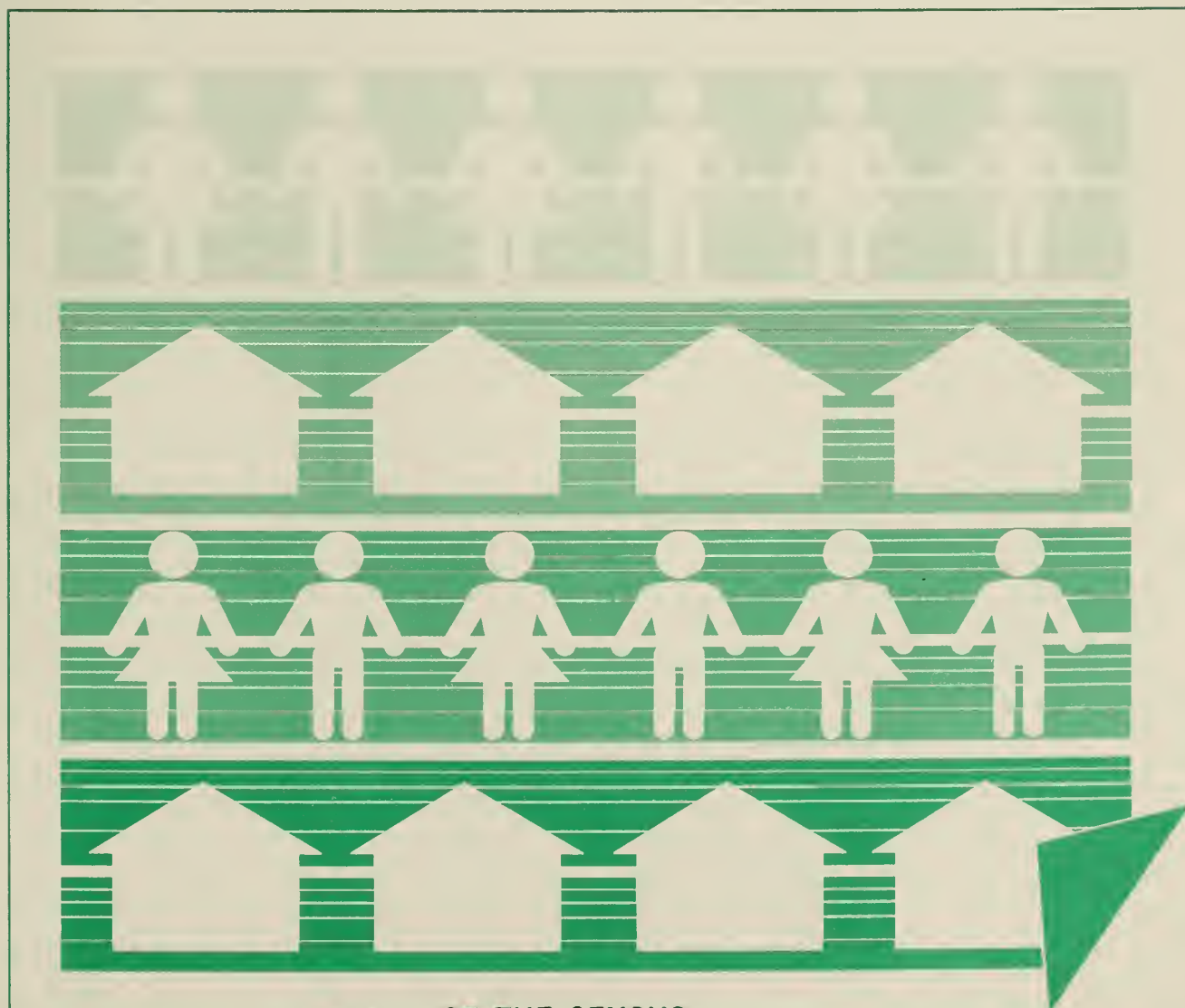
U.S. Department of Commerce
Economics and Statistics Administration
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1990 CPH-4-3

CENSUS '90



1990 Census of
Population and Housing
Population and Housing
Characteristics for
Congressional Districts
of the 103rd Congress
Alaska



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ACKNOWLEDGMENTS

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The Technical Services Division, **C. Thomas DiNenna**, Chief, designed, developed, deployed, and produced automated technology for census data processing.

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of the 103rd Congress
Alaska

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INTRODUCTION

Data from the 1990 census are presented in several different report series. These series are published under the following three subject titles:

1. 1990 Census of Population (1990 CP)
2. 1990 Census of Housing (1990 CH)
3. 1990 Census of Population and Housing (1990 CPH)

The types of data and the geographic areas shown in reports differ from one series to another. In most series, there is one report for each State, the District of Columbia, Puerto Rico, and the Virgin Islands of the United States (Virgin Islands), plus a United States summary report. Some series include reports for American Indian and Alaska Native areas, metropolitan areas, and urbanized areas. See appendix F for detailed information about the various report series; additional 1990 census data products such as computer tapes, microfiche, and laser disks; other related materials; and sources of assistance.

The data from the 1990 census were derived from a limited number of basic questions asked of the entire population and about every housing unit (referred to as the 100-percent questions), and from additional questions asked of a sample of the population and housing units (referred to as the sample questions). Two primary versions of questionnaires were used: a short form containing only the 100-percent questions and a long form containing both the 100-percent questions and the additional sample questions. Appendix E presents facsimiles of the questionnaire pages and the respondent instructions used to collect the data included in this report. Appendix F lists the subjects that are covered by the 100-percent and sample components of the 1990 census.

Legal provision for this census, which was conducted as of April 1, 1990, was made in the Act of Congress of August 31, 1954 (amended August 1957, December 1975, and October 1976), which is codified in Title 13, United States Code.

HOW TO FIND GEOGRAPHIC AREAS AND SUBJECT-MATTER DATA

This report includes a table finding guide to assist the user in locating those statistical tables that contain the data that are needed. The table finding guide lists alphabetically, by geographic area, the subjects shown in this report. To determine which tables in this report show data for a particular topic, find the subject in the left-hand column of the table finding guide and then look across the columns using the headings at the top for the desired type of geographic area. Below is an example of a table finding guide.

TABLE FINDING GUIDE

Subjects by Type of Geographic Area and Table Number

Subjects covered in this report are shown on the left side, and types of geographic areas are shown at the top. For a description of area classifications, see appendix A. For definitions and explanations of subject characteristics, see appendix B. Table numbers without reference letters in parentheses indicate data for the total population only. Data by race and Hispanic origin are indicated with reference letters in parentheses after the table numbers. Reference letters for population counts and subjects by race and Hispanic origin follow:

- (A) White, Black, American Indian, Eskimo, or Aleut; Asian or Pacific Islander; Hispanic origin; White, not of Hispanic origin.
- (B) American Indian, Eskimo, Aleut, All Asian, Chinese, Filipino, Japanese, Asian Indian, Korean, Vietnamese, Cambodian, Hmong, Laotian, Thai, All Pacific Islander, Hawaiian, Samoan, Guamanian.
- (C) Mexican, Puerto Rican, Cuban, Other Hispanic origin, Dominican, Central American, Guatemalan, Honduran, Nicaraguan, Panamanian, Salvadoran, South American, Colombian, Ecuadorian, Peruvian.
- (D) Race by Hispanic origin.

Subject	The State		County		Place and (in selected States) county subdivision ²		American Indian and Alaska Native area ³
	Total	Urban, rural, size of place, and rural farm ¹	Total	Rural or rural farm	10,000 or more	2,500 to 9,999	
Age	20, 34, 65(B)	20, 56(A)	95, 106(A)	169, 171	135(A)	151	173(A)
Ancestry ...	17, 31	17	92	...	121	150	...
Disability ...	20, 34, 84(D)	20, 57(A)	95, 107(A)	...	136(A)	152	174(A)
Educational attainment	22, 36	22, 57(A)	97, 107(A)	169, 171	136(A)	160(A)	174(A)
Household type and relationship	21, 35	21, 56(A)	96, 106(A)	169, 171	135(A)	160(A)	173(A)
Industry	26, 40, 67(B)	26, 58(A)	101, 108(A), 116(B)	170, 172	137(A), 149(C)	161(A), 167(C)	175(A)
Poverty status	29, 43, 72(B)	29, 63(A)	104, 113(A), 117(B)	170, 172	142(A), 149(C)	162(A), 168(C)	180(A)
Residence in 1985 ...	23, 37, 67(B)	23, 60(A)	98, 110(A)	...	139(A)	155	177(A)
Veteran status	23, 37, 69(B)	23, 60(A)	98, 110(A)	...	139(A)	155	177(A)
Work status in 1989 ...	27, 41, 69(B)	27, 60(A)	102, 110(A)	...	139(A)	155	177(A)

... Not applicable.

¹Type of residence categories are less detailed in tables 56-64 (which show characteristics by race and Hispanic origin) than in other tables.

²The selected States are Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin.

³Characteristics are shown only for the American Indian, Eskimo, or Aleut population.

Tables identified in the table finding guide with a reference letter in parentheses after the table number present characteristics for racial groups or persons of Hispanic origin. The tables without reference letters contain data for the total population only. The table finding guide does not include cross-classifications of subject-matter items, nor does it distinguish among tables presenting data for all persons or housing units and tables presenting data for subgroups (for example, persons under 18 years or renter-occupied housing units) unless it is necessary to locate the subject.

Additional information to locate data within specific reports often is provided in the headnote at the top of the table finding guide and in the footnotes at the bottom of the guide.

HOW TO USE THE STATISTICAL TABLES

Parts of a Statistical Table

The census data included in printed reports are arranged in tables. Each table includes four major parts: (1) *heading*, (2) *boxhead*, (3) *stub*, and (4) *data field*.

A typical census report table is illustrated below.

PARTS OF A STATISTICAL TABLE

Table number and title		Headnote		Column head				
Heading		Stubhead		Boxhead				
Table 07. Labor Force Characteristics: 1990		The following table shows the labor force characteristics of the civilian noninstitutionalized population, by sex, race, and Hispanic or Latino ethnicity, for the United States and selected States and the District of Columbia, 1990.		Total				
Stubhead		Total		Total				
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- The prefix “r” indicates that the count has been revised since publication of 1980 reports or that the area was erroneously omitted or not shown in the correct geographic relationship in the 1980 census reports. This symbol appears only in the 1990 CPH-2, *Population and Housing Unit Counts* reports.
- A dagger “†” next to the name of a geographic area indicates that there has been a geographic change(s) (for example, an annexation or detachment, a new incorporation, or a name change) since the information published for the 1980 census for that area. This symbol appears only in the 1990 CPH-2, *Population and Housing Unit Counts* reports. The geographic change information for the entities in a State is shown in the “User Notes” section of 1990 CPH-2, *Population and Housing Unit Counts* report, for that State. The information for all States appears in the “User Notes” section of the technical documentation for Summary Tape Files 1 and 3.
- A plus sign “+” or a minus sign “-” following a figure denotes that the median falls in the initial or terminal category of an open-ended distribution. (For more information on medians, see the discussion under “Derived Measures” in appendix B.)
- A minus sign “-” preceding a figure denotes decrease.

The following geographic abbreviations are used in the tables and explanations of subjects covered in this report:

- A “(pt.)” next to the name of a geographic area in a hierarchical presentation indicates that the geographic entity is only partially located in the superior geographic entity. For example, a “(pt.)” next to a place name in a county subdivision-place hierarchy indicates that the place is located in more than one county subdivision. (Places also may be “split” by county, congressional district, urban/rural, metropolitan area, voting district, and other geographic boundaries, depending on the presentation.) Other geographic entities also can be “split” by a higher-level entity. The exception is a tabulation block, which is unique within all geographic entities in census products.
- BG is block group.
- BNA is block numbering area.
- CDP is census designated place.
- CMSA is consolidated metropolitan statistical area.
- MA is metropolitan area.
- MSA is metropolitan statistical area.
- PMSA is primary metropolitan statistical area.
- TDSA is tribal designated statistical area.
- TJSA is tribal jurisdiction statistical area.
- unorg. is unorganized territory.

- VTD is voting district.

Census tables often include derived measures such as medians, means, percents, and ratios. More detailed information about derived measures is provided in appendix B.

GRAPHICS

Charts, statistical maps, and other graphic summaries are included in some 1990 census reports. If graphics are shown in a report, they are presented immediately after the “User Notes” section.

USER NOTES

User notes include corrections, errata, and related explanatory information. This section appears directly before the statistical tables in census reports unless graphics are shown. It presents information about unique characteristics of the report and changes or corrections made too late to be reflected in the text or tables themselves.

CONTENTS OF THE APPENDIXES

Appendix A—Provides definitions of the types of geographic areas and related information used in census reports.

Appendix B—Contains definitions for the subject-matter items used in census reports, including explanations of derived measures, limitations of the data, and comparability with previous censuses. The subjects are listed alphabetically. In reports that contain both population and housing characteristics, the population characteristics are described first, followed by the explanations of the housing subjects.

Appendix C—Provides information on confidentiality of the data, allocations and substitutions, and sources of errors in the data.

Appendix D—Explains the residence rules used in counting the population and housing units, presents a brief overview of data collection operations, and describes processing procedures used to convert data from unedited questionnaires to final 1990 publications and tapes. This appendix also clarifies the procedures used to collect data for persons abroad at the time of the census, where persons on military bases or away at school were counted, how data were collected for persons in institutions, and which citizens of foreign countries were included in the U.S. data.

Appendix E—Presents a facsimile of the 1990 census questionnaire pages and the respondent instructions used to collect the data in this report.

Appendix F—Summarizes the 1990 census data products program by describing the information available in printed reports and in other sources, such as microfiche or computer tape; and provides information on where to obtain assistance.

Appendix G—Contains maps depicting the geographic areas shown in this report.

TABLE FINDING GUIDE

Subjects by Type of Geographic Area and Table Number

[Subjects covered in this report are shown on the left side, and types of geographic areas are shown at the top. Tables 1 through 12 show 100-percent characteristics. Tables 13 through 32 show sample characteristics. For a description of area classifications, see appendix A. For definitions and explanations of subject characteristics, see appendix B]

Subject	State and congressional district	County	Place and (in selected States) county subdivision (10,000 or more) ¹	American Indian and Alaska Native area
POPULATION CHARACTERISTICS				
Age	1, 2, 17*	2	2	6
Voting age persons.....	1, 2, 17*	2	2	6
Ancestry	13	...	...	...
Citizenship	13, 14	...	...	...
Class of worker	15	...	...	...
Disability	14, 21	21	21	...
Educational attainment.....	14, 17*, 19	19	19	23
Family type and presence of own children	13, 17*, 18	18	18	...
Fertility.....	13	...	...	...
Group quarters.....	1, 4	4	4	...
Hispanic origin.....	1, 3, 17*	3	3	...
Household type and relationship	1, 4	4	4	...
Income in 1989	16, 17*, 22	22	22	23
Industry	15	...	...	...
Labor force status.....	15, 17*, 20	20	20	23
For persons 16 to 19 years by school enrollment and educational attainment.....	15, 17*	...	...	...
Labor force status in 1989—				
Weeks and hours worked	15, 20	20	20	...
Land area	1, 5	5	5	...
Language spoken at home and ability to speak English.....	14, 18	18	18	...
Marital status	13	...	...	...
Means of transportation to work	14, 20	20	20	...
Nativity.....	13, 14, 18	18	18	...
Occupation	15	...	...	...
Period of military service	14	...	...	...
Place of birth	14, 18	18	18	...
Population density.....	5	5	5	...
Poverty status in 1989	16, 17*, 22	22	22	23
Race	1, 3, 17*	3	3	...
Residence in 1985	14, 18	18	18	...
School enrollment and type of school	14, 17*, 19	19	19	23
Sex.....	1, 3, 17*, 20	3, 20	3, 20	6
Urban, rural, and farm residence (persons).....	13	...	...	...
Veteran status	14, 19	19	19	...
Workers in family in 1989	15	...	...	...

... Not applicable for this report.

* Data for table 17 are shown for White; Black; American Indian, Eskimo, or Aleut; Asian or Pacific Islander; and Hispanic origin.

¹The selected States are: Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin.

TABLE FINDING GUIDE

Subjects by Type of Geographic Area and Table Number

[Subjects covered in this report are shown on the left side, and types of geographic areas are shown at the top. Tables 1 through 12 show 100-percent characteristics. Tables 13 through 32 show sample characteristics. For a description of area classifications, see appendix A. For definitions and explanations of subject characteristics, see appendix B]

Subject	State and congressional district	County	Place and (in selected States) county subdivision (10,000 or more) ¹	American Indian and Alaska Native area
HOUSING CHARACTERISTICS				
Age of householder	26	...	...	...
Bedrooms	24, 29	29	29	...
Condominium status	26, 29	29	29	...
Contract rent	7, 10	10	10	12
Gross rent	26, 28*, 31	31	31	32
Hispanic origin of householder	11, 28*	11	11	...
House heating fuel	25, 30	30	30	...
Household income in 1989	26, 27	...	...	...
Household type and relationship .....	...	...	...	12
Householder 65 years and over	25	...	...	...
Kitchen facilities	25, 29	29	29	...
Land area .....	...	...	...	12
Meals included in rent	10	10	10	...
Mortgage status and selected monthly owner costs	27, 28*, 31	31	31	32
Persons per room	7, 8, 25	8	8	...
Persons in unit	26	...	...	...
Persons per unit	9, 10	9, 10	9, 10	...
Plumbing facilities	25, 28*, 29	29	29	32
Race of householder	11, 28*	11	11	...
Rooms	7, 8, 9, 10	8, 9, 10	8, 9, 10	...
Sewage disposal	25, 29	29	29	...
Source of water	25, 29	29	29	...
Telephone in unit	25, 30	30	30	...
Tenure	9, 10, 28*	9, 10	9, 10	12, 32
Tenure by race and Hispanic origin of householder	7	...	...	...
Units in structure	7, 8, 9, 10, 24	8, 9, 10	8, 9, 10	...
Vacancy characteristics	7, 8	8	8	...
Value	7, 9	9	9	12
Vehicles available	25, 28*, 30	30	30	32
Year householder moved into unit	26, 31	31	31	...
Year structure built	24, 29	29	29	...

... Not applicable for this report.

* Data for table 28 are shown for White householder; Black householder; American Indian, Eskimo, or Aleut householder; Asian or Pacific Islander householder; and householder of Hispanic origin.

¹The selected States are: Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin.

USER NOTES

Additional information concerning this 1990 census product may be available at a later date. If you wish to receive these *User Notes*, contact:

Data User Services Division
Customer Services
Bureau of the Census
Washington, DC 20233
301-763-4100

Questions concerning the content of this report may be directed to:

Housing and Household Economic Statistics Division
Bureau of the Census
Washington, DC 20233

Population Division
Bureau of the Census
Washington, DC 20233

ADDITIONAL DEFINITIONS AND EXPLANATIONS OF DATA

GENERAL

User Note 1

Age Reporting—Review of detailed 1990 information indicated that respondents tended to provide their age as of the date of completion of the questionnaire, not their age on April 1, 1990. In addition, there may have been a tendency for respondents to round up their age if they were close to having a birthday. It is likely that approximately 10 percent of persons in most age groups are actually 1 year younger. For most single years of age, the misstatements are largely offsetting. The problem is most pronounced at age 0 because persons lost to age 1 may not have been fully offset by the inclusion of babies born after April 1, 1990, and because there may have been more rounding up to age 1 to avoid reporting age as 0 years. (Age in completed months was not collected for infants under age 1.)

The reporting of age 1 year older than age on April 1, 1990, is likely to have been greater in areas where the census data were collected later in 1990. The magnitude of this problem was much less in the three previous

censuses where age was typically derived from respondent data on year of birth and quarter of birth. (For more information on the design of the age question, see the discussion on comparability under "Age" in appendix B.)

User Note 2

The user should note that there are limitations to many of these data. Please refer to the text provided with this report for further explanations on the limitations of the data.

User Note 3

This report series (CPH-4) includes 100-percent and sample data for population and housing characteristics. Tables 1 through 6 present data on general population characteristics based on tabulations of 100-percent data and tables 7 through 12 show 100-percent housing data. Tables 13 through 23 show sample data on social and economic characteristics and tables 24 through 32 show sample housing data.

User Note 4

Congressional districts of the 103rd Congress reflect boundaries based on the 1990 census for all States except Maine, where redistricting occurs in 1993. Court or legislative action may change congressional district boundaries in any State for subsequent Congresses during the decade. The Census Bureau will issue revised CPH-4 reports for any State undergoing further redistricting action based on the 1990 census.

User Note 5

Estimated population and housing unit totals based on tabulations from only the sample questionnaires (sample tabulations) may differ from the official counts as tabulated from every census questionnaire (100-percent tabulations). Such differences result, in part, because the sample tabulations are based on information from a sample of households rather than from all households (sampling error). Differences also can occur because the interview situation (length of questionnaire, effect of the interviewer, etc.) and the processing rules differ between the 100-percent and sample tabulations. These types of differences are referred to as nonsampling errors. (For more information on nonsampling error, see appendix C.)

The 100-percent data are the official counts and should be used as the source of information on population and housing items collected on the 100-percent questionnaire, such as age, race, Hispanic origin, number of rooms, and tenure. This is especially appropriate when the primary focus is on counts of the population or housing units for small areas such as census tracts/BNA's, block groups, and for American Indian and Alaska Native areas. For estimates of counts of persons and housing units by characteristics asked only on a sample basis (such as education, labor force status, income, and source of water), the sample estimates should be used within the context of the error associated with them.

Many users are interested in tabulations of items collected on the sample cross-classified by items collected on a 100-percent basis such as age, race, sex, Hispanic origin, and housing units by tenure. Given the way the weights were applied during sample tabulations, generally, there is exact agreement between sample estimates and 100-percent counts for total population and total housing units for most geographic areas. At the State level and higher geographic levels, sample estimates and 100-percent counts for population by age, sex, race, and Hispanic origin and for housing units by tenure, number of rooms and so on would be reasonably similar and, in some cases, the same.

At smaller geographic levels, including census tract/BNA, there is still general agreement between 100-percent counts and sample estimates of total population or housing units. At smaller geographic levels, however, there will be expected differences between sample estimates and 100-percent counts for population by age, sex, race, and Hispanic origin and for housing units by tenure, number of rooms and so on. In these cases, users may want to consider using derived measures (such as means and medians) or percent distributions. Whether using absolute numbers or derived measures for small population groups and for a small number of housing units in small geographic areas, users should be cautioned that the sampling error associated with these data may be large.

Even though the differences between sample estimates and 100-percent counts for these categories are generally small, the differences for the American Indian, as well as the Hispanic origin populations, are relatively larger than for other groups. The following provides some explanation for these differences.

State-level sample estimates of the number of American Indians are generally higher than the corresponding 100-percent counts. It appears the differences are primarily the result of proportionately higher reporting of "Cherokee" tribe on sample questionnaires. This phenomenon occurs primarily in off-reservation areas. The reasons for the greater reporting of Cherokee on sample forms are not fully known at this time. The Census Bureau will do research to provide more information on this phenomenon.

For the Hispanic origin population, sample estimates at the State level are generally lower than the corresponding 100-percent counts. The majority of difference is caused by the 100-percent and sample processing of the Hispanic question on the sample questionnaire when the respondent did not mark any response category. When processing the sample, written entries in race or Hispanic origin as well as responses to questions only asked on the sample, such as ancestry and place of birth. These procedures led to a lower proportion of persons being assigned as Hispanic in sample processing than were assigned during 100-percent processing. The Census Bureau will evaluate the effectiveness of the 100-percent and sample procedures.

As in previous censuses, the Census Bureau will evaluate the quality of the data and make this information available to data users. In the meanwhile, both 100-percent and sample data serve very important purposes and, therefore, should be used within the limitations of the sampling and nonsampling errors.

User Note 6

Data presented in tables 27 and 31 for "Median selected monthly owner costs as a percentage of household income in 1989" (With a mortgage), "Median selected monthly owner costs as a percentage of household income in 1989" (Not mortgaged), and "Median gross rent as a percentage of household income in 1989" are inconsistent with the explanations for derived measures in appendix B. Specifically, when the median falls in the lower interval of the tabulation distribution, the estimated value obtained by linear interpolation is shown rather than the upper value of the category followed by a minus sign (-). The lower interval has an assumed range of 0.0 to 19.9 percent.

Table 1. General Characteristics of Persons: 1990

[For definitions of terms and meanings of symbols, see text]

State Congressional District	The State	One Representative at Large
LAND AREA		
Square kilometers	1 477 267.5	1 477 267.5
Square miles	570 373.6	570 373.6
RACE AND HISPANIC ORIGIN		
All persons	550 043	550 043
White	415 492	415 492
Black	22 451	22 451
American Indian, Eskimo, or Aleut	85 698	85 698
Asian or Pacific Islander	19 728	19 728
Other race	6 674	6 674
Hispanic origin (of any race)	17 803	17 803
White, nat of Hispanic origin	406 722	406 722
AGE		
All persons	550 043	550 043
Under 5 years	54 897	54 897
5 to 9 years	51 736	51 736
10 to 14 years	43 179	43 179
15 to 19 years	37 151	37 151
20 to 24 years	41 228	41 228
25 to 34 years	112 965	112 965
35 to 44 years	103 097	103 097
45 to 54 years	53 929	53 929
55 to 64 years	29 492	29 492
65 to 74 years	15 548	15 548
75 to 84 years	5 570	5 570
85 years and over	1 251	1 251
3 and 4 years	21 963	21 963
16 years and over	392 558	392 558
18 years and over	377 699	377 699
21 years and over	354 765	354 765
60 years and over	35 266	35 266
62 years and over	29 577	29 577
Median age	29.4	29.4
Female	260 176	260 176
Under 5 years	26 708	26 708
5 to 9 years	25 101	25 101
10 to 14 years	20 676	20 676
15 to 19 years	17 462	17 462
20 to 24 years	18 445	18 445
25 to 34 years	54 062	54 062
35 to 44 years	47 725	47 725
45 to 54 years	24 406	24 406
55 to 64 years	13 774	13 774
65 to 74 years	7 942	7 942
75 to 84 years	3 097	3 097
85 years and over	778	778
3 and 4 years	10 640	10 640
16 years and over	184 011	184 011
18 years and over	176 823	176 823
21 years and over	166 627	166 627
60 years and over	17 813	17 813
62 years and over	15 208	15 208
Median age	29.3	29.3
Male	289 867	289 867
Median age	29.5	29.5
VOTING-AGE PERSONS		
Persons 18 years and over	377 699	377 699
Male	200 876	200 876
Female	176 823	176 823
White	294 308	294 308
Black	14 553	14 553
American Indian, Eskimo, or Aleut	50 945	50 945
Asian or Pacific Islander	13 491	13 491
Other race	4 402	4 402
Hispanic origin (of any race)	11 048	11 048
HOUSEHOLD TYPE AND RELATIONSHIP		
All persons	550 043	550 043
In households	529 342	529 342
Householder	188 915	188 915
Family householder	132 837	132 837
Nonfamily householder	56 078	56 078
Male	35 014	35 014
Living alone	25 601	25 601
Female	21 064	21 064
Living alone	16 225	16 225
Spouse	106 079	106 079
Child	184 808	184 808
Grandchild	6 273	6 273
Other relatives	12 458	12 458
Nonrelatives	30 809	30 809
Institutionalized persons	4 574	4 574
Other persons in group quarters	16 127	16 127
Persons per household	2.80	2.80
Persons per family	3.33	3.33
Persons 65 years and over	22 369	22 369
In households	21 173	21 173
Householder	14 157	14 157
Nonfamily householder	6 105	6 105
Living alone	5 737	5 737
Male	2 094	2 094
Female	3 643	3 643
Spouse	4 712	4 712
Other relatives	1 881	1 881
Nonrelatives	423	423
Institutionalized persons	1 102	1 102
Other persons in group quarters	94	94

Table 2. Age: 1990

[For definitions of terms and meanings of symbols, see text]

State	All persons	Age											Median age
		Under 5 years	16 years and over	18 years and over	18 to 20 years	21 to 24 years	25 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	75 years and over	85 years and over
Congressional District													
Borough and Census Area													
Place [10,000 or more Persons]													
The State	550 043	54 897	392 558	377 699	22 934	32 913	216 062	53 929	16 595	12 897	22 369	6 821	1 251
One Representative at Large	550 043	54 897	392 558	377 699	22 934	32 913	216 062	53 929	16 595	12 897	22 369	6 821	1 251
BOROUGH AND CENSUS AREA													
Aleutians East Borough	2 464	181	1 957	1 917	146	253	1 083	227	93	47	58	7	1
Aleutians West Census Area	9 478	779	7 691	7 595	800	1 397	4 523	550	138	95	82	26	4
Anchorage Borough	226 338	21 499	165 628	159 650	9 918	14 052	92 078	23 707	6 955	5 142	8 258	2 250	374
Bethel Census Area	13 656	1 865	8 775	8 324	583	893	4 396	1 106	390	295	657	248	47
Bristol Bay Borough	1 410	123	1 059	1 028	35	113	647	127	41	23	42	11	2
Dillingham Census Area	4 012	560	2 618	2 508	144	203	1 389	339	131	97	205	77	16
Fairbanks North Star Borough	77 720	8 086	55 278	53 383	4 044	6 094	30 800	6 454	1 933	1 518	2 540	759	142
Fort Yukon Census Area	2 117	155	1 589	1 525	55	78	10 724	3 058	93	67	182	52	4
Haines Borough	26 751	2 410	19 580	18 901	893	1 246	10 724	3 058	821	649	1 364	481	100
Juneau Borough	40 802	3 795	28 724	27 406	1 345	1 688	15 510	4 280	1 387	1 181	2 015	512	81
Kenai Peninsula Borough	13 828	1 211	10 080	9 706	507	692	5 110	1 589	465	436	907	333	85
Ketchikan Gateway Borough	13 309	1 403	9 494	9 178	559	885	5 582	1 125	342	260	425	134	30
Kodiak Island Borough	1 648	213	1 077	1 034	46	89	570	136	56	52	85	26	4
Lake and Peninsula Borough	39 683	3 873	26 882	25 670	1 162	1 243	15 158	3 927	1 258	1 056	1 866	552	99
Marathon-Sitka Census Area	8 288	1 073	5 393	5 113	311	454	2 776	701	247	205	419	173	25
Nome Census Area	5 979	830	3 883	3 833	204	357	2 082	574	206	121	197	71	8
North Slope Borough	6 113	960	3 695	3 481	253	389	1 830	409	172	147	281	128	33
Northwest Arctic Borough	6 278	585	4 415	4 250	213	314	2 408	736	206	157	216	68	13
Prince of Wales-Outer Ketchikan Census Area	8 588	764	6 180	5 953	327	463	3 186	965	277	243	492	196	58
Sitka Borough	4 385	392	3 082	2 951	125	171	1 688	466	150	116	235	77	13
Skagway-Yukon-Altai-Angoon Census Area	5 913	601	3 970	3 805	209	289	2 176	601	168	139	223	71	19
Southeast Fairbanks Census Area	9 952	881	7 306	7 048	365	440	4 047	1 101	350	282	463	143	24
Valdez-Cordova Census Area	5 791	1 040	3 362	3 137	230	393	1 543	370	177	126	258	81	11
Wade Hampton Census Area	7 042	688	5 063	4 870	229	308	2 408	748	249	221	507	187	36
Wrangell-Petersburg Census Area	8 478	930	5 777	5 525	211	409	3 134	867	290	222	392	158	22
Yukon-Koyukuk Census Area													
PLACE													
Anchorage city	226 338	21 499	165 628	159 650	9 918	14 052	92 078	23 707	6 955	5 142	8 258	2 250	374
College CDP	11 249	975	8 384	8 080	1 031	963	4 139	1 097	326	256	268	53	9
Fairbanks city	30 843	3 405	22 413	21 791	1 786	3 187	11 540	2 209	801	710	1 558	558	109
Juneau city	26 751	2 410	19 580	18 901	893	1 246	10 924	3 004	821	649	1 364	481	100

Table 3. Sex, Race, and Hispanic Origin: 1990

[For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	Sex		Race					Hispanic origin (of any race)	Not of Hispanic origin					
	Male	Female	White	Black	American Indian, Eskimo, or Aleut	Asian or Pacific Islander	Other race		White	Black	American Indian, Eskimo, or Aleut	Asian or Pacific Islander	Other race	
The State -----	550 043	289 867	260 176	415 492	22 451	85 698	19 728	6 674	17 803	406 722	21 799	84 594	18 730	395
One Representative at Large -----	550 043	289 867	260 176	415 492	22 451	85 698	19 728	6 674	17 803	406 722	21 799	84 594	18 730	395
BOROUGH AND CENSUS AREA														
Aleutians East Borough -----	2 464	1 582	882	827	16	1 042	463	116	180	801	15	1 040	423	5
Aleutians West Census Area -----	9 478	6 238	3 240	6 360	662	1 076	979	401	742	6 130	635	1 066	898	7
Anchorage Borough -----	226 338	116 367	109 971	182 736	14 544	14 569	10 910	3 579	9 258	178 168	14 126	14 126	10 427	233
Bethel Census Area -----	13 656	7 155	6 501	2 105	62	11 370	91	28	80	2 074	62	11 339	90	11
Bristol Bay Borough -----	845	2 076	1 894	1 894	38	455	12	11	33	881	8	446	12	6
Critchfield Census Area -----	4 012	2 076	1 019	1 019	8	2 925	27	33	49	1 007	8	2 917	25	6
Dillingham Census Area -----	77 720	41 506	36 214	63 751	5 553	5 330	1 998	1 088	2 899	62 201	5 395	5 238	1 913	74
Fairbanks North Star Borough -----	26 751	13 130	13 130	21 570	292	3 462	1 177	18	27	1 793	1	279	17	9
Fairbanks Census Area -----	26 751	13 575	13 575	21 570	292	3 462	1 154	273	749	21 257	279	3 360	1 097	9
Juneau Borough -----	40 802	21 606	19 196	37 089	203	2 935	428	147	726	36 580	196	2 892	398	10
Ketchikan Gateway Borough -----	13 828	7 217	6 611	11 316	55	1 898	493	66	285	11 182	55	1 840	460	6
Kodiak Island Borough -----	13 309	7 395	5 914	9 289	135	2 126	1 492	267	663	9 008	133	2 097	1 401	7
Lake and Peninsula Borough -----	1 668	911	757	389	—	1 261	12	6	32	379	—	1 245	12	—
Matanuska-Susitna Borough -----	39 683	20 605	19 078	36 949	307	1 939	297	191	752	36 452	294	1 900	277	8
Nome Census Area -----	8 288	4 480	2 023	2 023	9	6 148	55	53	106	1 987	9	6 132	51	3
North Slope Borough -----	5 979	3 258	2 721	1 274	41	4 336	285	43	124	1 248	37	4 304	264	2
Northwest Arctic Borough -----	6 113	3 224	2 889	841	12	5 209	48	3	36	824	12	5 190	48	2
Prince of Wales-Outer Ketchikan Census Area -----	6 278	3 545	2 733	3 859	9	2 358	28	24	121	3 798	9	2 324	24	2
Sitka Borough -----	8 568	4 504	4 084	6 359	39	1 797	333	60	209	6 270	39	1 758	312	2
Skagway-Yukon-Atkasut Census Area -----	4 385	2 420	1 965	2 649	7	1 670	32	27	67	2 622	6	1 656	31	3
Southcentral Fairbanks Census Area -----	5 913	3 187	2 726	4 670	290	770	82	101	177	4 612	284	762	77	1
Valdez-Cordova Census Area -----	9 952	5 471	4 481	8 247	57	1 245	324	79	270	8 096	55	1 219	310	2
Wade Hampton Census Area -----	5 791	3 007	2 784	5 346	12	5 405	43	5	119	5 342	12	5 397	22	1
Wrangell-Petersburg Census Area -----	7 042	3 776	3 266	5 844	11	1 367	94	26	82	5 472	11	1 348	91	1
Yukon-Koyukuk Census Area -----	8 478	4 787	3 691	3 584	88	4 726	51	29	82	3 538	88	4 719	50	1
PLACE														
Anchorage city -----	226 338	116 367	109 971	182 736	14 544	14 569	10 910	3 579	9 258	178 168	14 126	14 126	10 427	233
College COP -----	11 249	5 936	5 313	9 479	290	950	421	109	285	9 319	280	934	416	15
Fairbanks city -----	30 843	16 543	14 300	22 316	3 997	2 830	1 013	687	1 656	21 538	3 871	2 785	956	37
Juneau city -----	26 751	13 575	13 176	21 570	292	3 462	1 154	273	749	21 257	279	3 360	1 097	9

Table 4. Household, Family, and Group Quarters Characteristics: 1990

[For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	Persons in households		Family households			Nonfamily households				Persons per—		Persons in group quarters		
			Total	Married- couple family	Female house- holder, no husband present	Total	Householder living alone		House- hold	Family	Total	Insti- tution- alized persons	Other persons in group quarters	
							Total	65 years and over						
														Total	Female
The State -----	529 342	188 915	132 837	106 079	18 229	56 078	41 826	5 737	3 643	2.80	3.33	20 701	4 574	16 127
One Representative at Large -----	529 342	188 915	132 837	106 079	18 229	56 078	41 826	5 737	3 643	2.80	3.33	20 701	4 574	16 127
BOROUGH AND CENSUS AREA														
Aleutians East Borough -----	1 583	533	377	286	51	156	120	12	3	2.97	3.53	881	—	881
Aleutians West Census Area -----	5 565	1 845	1 440	1 270	95	405	263	14	5	3.02	3.36	3 913	—	3 913
Anchorage Borough -----	221 264	82 702	56 503	44 884	8 358	26 199	18 949	2 152	1 504	2.68	3.20	5 074	1 690	3 384
Bethel Census Area -----	13 407	3 605	2 773	1 945	529	832	656	97	44	3.72	4.32	249	137	112
Bristol Bay Borough -----	1 142	407	272	224	25	135	110	12	8	2.81	3.46	268	—	268
Dillingham Census Area -----	4 008	1 215	922	691	161	293	226	38	28	3.30	3.85	4	1	3
Fairbanks North Star Borough -----	73 624	26 693	19 032	15 859	2 162	7 661	5 971	752	470	2.76	3.28	4 096	515	3 581
Haines Borough -----	2 046	791	536	468	40	255	193	42	29	2.59	3.09	71	10	61
Juneau Borough -----	26 313	9 902	6 628	5 275	1 007	3 274	2 332	383	282	2.66	3.18	438	343	95
Kenai Peninsula Borough -----	39 738	14 250	10 216	8 456	1 202	4 034	3 105	567	333	2.79	3.31	1 064	808	256
Ketchikan Gateway Borough -----	13 576	5 030	3 450	2 761	464	1 580	1 206	280	178	2.70	3.23	252	145	107
Kodiak Island Borough -----	12 354	4 083	2 982	2 447	331	1 101	752	121	65	3.03	3.48	955	29	926
Lake and Peninsula Borough -----	1 640	509	382	279	56	127	110	17	7	3.22	3.83	28	22	6
Motunusko-Susitna Borough -----	39 167	13 394	10 081	8 373	1 165	3 313	2 539	438	252	2.92	3.37	516	429	87
Nome Census Area -----	8 096	2 371	1 723	1 081	346	648	515	58	26	3.41	4.07	192	136	56
North Slope Borough -----	5 758	1 673	1 209	781	247	464	348	29	15	3.44	4.07	221	19	202
Northwest Arctic Borough -----	6 047	1 526	1 190	745	271	336	268	34	18	3.96	4.54	66	51	15
Prince of Wales-Outer Ketchikan Census Area -----	6 015	2 061	1 485	1 167	187	576	441	55	29	2.92	3.42	263	1	262
Sitka Borough -----	8 245	2 939	2 102	1 708	266	837	615	114	84	2.81	3.28	343	96	247
Skogway-Yukutat-Angoon Census Area -----	4 181	1 422	1 010	803	123	412	334	60	32	2.94	3.51	204	—	204
Southeast Fairbanks Census Area -----	5 643	1 909	1 473	1 228	133	436	377	58	28	2.96	3.40	270	6	264
Voldez-Cordova Census Area -----	9 364	3 425	2 312	1 896	258	1 113	828	143	65	2.73	3.29	588	93	495
Wade Hampton Census Area -----	5 791	1 368	1 086	729	216	282	231	25	11	4.23	4.88	—	—	—
Wrangell-Petersburg Census Area -----	6 864	2 514	1 788	1 481	191	726	575	138	89	2.73	3.23	178	30	148
Yukon-Koyukuk Census Area -----	7 911	2 748	1 865	1 242	345	883	762	98	38	2.88	3.52	567	13	554
PLACE														
Anchorage city -----	221 264	82 702	56 503	44 884	8 358	26 199	18 949	2 152	1 504	2.68	3.20	5 074	1 690	3 384
College COP -----	10 201	3 764	2 577	2 022	384	1 187	836	68	42	2.71	3.21	1 048	—	1 048
Fairbanks city -----	28 479	10 885	7 264	5 719	1 151	3 621	2 872	521	353	2.62	3.21	2 364	464	1 900
Juneau city -----	26 313	9 902	6 628	5 275	1 007	3 274	2 332	383	282	2.66	3.18	438	343	95

Table 5. Land Area and Population Density: 1990

[For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	All persons	Land area		Persons per—		State Congressional District Borough and Census Area Place [10,000 or More Persons]	All persons	Land area		Persons per—	
		Square kilo- meters	Square miles	Square kilometer	Square mile			Square kilo- meters	Square miles	Square kilometer	Square mile
The State-----	550 043	1 477 267.5	570 373.6	.4	1.0	One Representative at Large—Con. BOROUGH AND CENSUS AREA— Con.					
One Representative at Large-----	550 043	1 477 267.5	570 373.6	.4	1.0	Nome Census Area-----	8 288	59 602.5	23 012.6	.1	.4
BOROUGH AND CENSUS AREA						North Slope Borough-----	5 979	227 558.7	87 860.5	—	.1
						Northwest Arctic Borough-----	6 113	92 883.8	35 862.5	.1	.2
Aleutians East Borough-----	2 464	18 090.5	6 984.8	.1	.4	Prince of Wales-Outer Ketchikan Census Area-----	6 278	18 970.4	7 324.5	.3	.9
Aleutians West Census Area-----	9 478	11 401.5	4 402.1	.8	2.2	Sitka Borough-----	8 588	7 463.0	2 881.5	1.2	3.0
Anchorage Borough-----	226 338	4 396.9	1 697.6	51.5	133.3	Skagway-Yakutat-Angoon Census Area-----	4 385	33 360.8	12 880.6	.1	.3
Bethel Census Area-----	13 656	106 416.4	41 087.4	.1	.3	Southeast Fairbanks Census Area-----	5 913	67 324.7	25 994.1	.1	.2
Bristol Bay Borough-----	1 410	1 344.8	519.2	1.0	2.7	Valdez-Cordova Census Area-----	9 952	95 688.5	36 945.4	.1	.3
Dillingham Census Area-----	4 012	47 829.3	18 466.9	.1	.2	Wade Hampton Census Area-----	5 791	44 351.4	17 124.1	.1	.3
Fairbanks North Star Borough-----	77 720	19 068.7	7 362.4	4.1	10.6	Wrangell-Petersburg Census Area-----	7 042	15 044.1	5 808.5	.5	1.2
Haines Borough-----	2 117	6 104.6	2 357.0	.3	.9	Yukon-Koyukuk Census Area-----	8 478	406 944.1	157 121.3	—	.1
Juneau Borough-----	26 751	6 717.3	2 593.6	4.0	10.3	PLACE					
Kenai Peninsula Borough-----	40 802	41 644.4	16 078.9	1.0	2.5	Anchorage city-----	226 338	4 396.9	1 697.6	51.5	133.3
Ketchikan Gateway Borough-----	13 828	3 158.9	1 219.6	4.4	11.3	College CDP-----	11 249	41.2	15.9	273.0	707.5
Kodiak Island Borough-----	13 309	16 738.1	6 462.6	.8	2.1	Fairbanks city-----	30 843	81.1	31.3	380.3	985.4
Lake and Peninsula Borough-----	1 668	61 207.7	23 632.3	—	.1	Juneau city-----	26 751	6 717.3	2 593.6	4.0	10.3
Matanuska-Susitna Borough-----	39 683	63 956.5	24 693.6	.6	1.6						

Table 6. Selected Population Characteristics for American Indian and Alaska Native Areas: 1990

[For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	American Indian, Eskimo, or Aleut													
	All persons	Total	Female	Age										Median age
				Under 5 years	16 years and over	18 years and over	18 to 20 years	21 to 24 years	25 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	
One Representative at Large	550 043	85 698	42 655	11 903	53 929	50 945	3 940	5 602	26 268	6 460	2 589	1 949	4 137	24.0
AMERICAN INDIAN RESERVATION AND TRUST LAND														
All areas	1 469	1 209	560	137	757	721	47	68	362	110	30	39	65	25.1
Annette Islands Reserve, AK	1 469	1 209	560	137	757	721	47	68	362	110	30	39	65	25.1
ALASKA NATIVE VILLAGE STATISTICAL AREA														
All areas	77 700	47 244	22 650	7 113	28 696	27 026	1 991	2 955	13 562	3 336	1 481	1 143	2 558	23.0
Akiak, AK	77	72	32	11	40	37	—	5	19	10	2	1	—	21.5
Akiachok, AK	483	459	229	61	282	264	26	31	121	35	16	9	26	22.2
Akiak, AK	285	277	141	47	157	149	9	12	76	18	8	7	19	21.4
Akutok, AK	589	80	30	11	55	54	2	8	30	6	1	1	6	26.5
Alokanuk, AK	544	521	269	76	303	282	30	41	120	30	26	16	19	19.8
Alatno, AK	31	29	12	1	18	17	1	—	10	3	—	1	2	27.5
Aleknogik, AK	185	154	75	16	101	95	7	6	44	10	9	7	12	27.1
Alexander, AK	40	10	7	—	9	9	1	1	3	3	—	1	—	30.0
Allakaket, AK	138	131	54	17	85	83	4	7	42	14	5	4	7	27.2
Ambler, AK	311	279	132	55	144	128	8	25	59	17	3	5	11	16.5
Anaktuvuk Pass, AK	259	220	115	31	125	116	9	12	55	20	10	5	5	20.0
Andreafsky, AK	410	346	162	47	213	198	11	26	95	24	12	8	22	22.9
Angoon, AK	638	525	259	79	306	287	13	30	151	44	12	8	29	22.8
Aniak, AK	540	382	200	55	206	197	13	21	113	23	5	6	16	19.6
Anvik, AK	82	75	42	11	44	42	1	1	21	5	3	4	7	26.4
Arctic Village, AK	96	90	49	20	53	50	4	3	26	7	5	—	5	22.0
Atko, AK	98	91	42	5	66	61	5	4	29	7	4	6	3	31.8
Atkasook, AK	216	201	91	26	128	121	12	15	57	19	8	7	3	23.6
Atmautluok, AK	258	250	122	26	155	145	11	15	74	21	4	6	14	23.0
Borrow, AK	2 763	1 771	890	308	1 035	983	72	97	546	111	46	38	73	22.3
Beaver, AK	103	98	41	10	69	64	8	2	35	8	3	1	7	27.8
Belkofski, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bethel, AK	4 674	2 986	1 534	449	1 875	1 775	143	221	987	204	62	44	114	23.6
Bill Moore's, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Birch Creek, AK	42	38	15	2	21	21	—	2	11	3	1	2	2	25.0
Brevig Mission, AK	198	183	94	30	105	104	5	11	62	10	5	2	9	23.5
Buckland, AK	318	302	135	52	160	145	11	18	75	15	6	4	16	17.3
Contwell, AK	147	33	16	5	23	22	—	—	6	9	2	1	4	43.8
Canyon Village, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chalkyitsik, AK	90	83	37	5	54	50	2	5	21	4	9	2	7	26.3
Chefornok, AK	320	312	155	62	178	167	22	23	77	20	4	4	17	19.3
Chenega, AK	94	65	33	10	39	37	3	5	18	6	2	1	2	22.4
Chevak, AK	598	556	249	123	299	280	23	41	151	17	15	11	22	18.3
Chignik, AK	188	85	39	9	59	56	3	5	34	4	4	1	4	27.1
Chignik Lagoon, AK	53	30	16	3	23	21	1	2	8	2	3	1	4	30.0
Chignik Lake, AK	133	122	57	23	70	66	5	12	30	9	1	2	7	21.0
Chilkat, AK	129	112	51	12	70	64	4	4	35	7	4	2	8	25.0
Chilkoot, AK	221	27	11	4	19	19	1	1	8	1	7	1	—	33.8
Chistochino, AK	60	37	21	6	23	22	3	2	8	2	2	2	3	21.5
Chitino, AK	49	23	8	2	16	15	—	—	9	3	—	—	—	35.8
Chuathbaluk, AK	97	87	37	13	51	47	2	6	26	3	2	4	4	22.8
Chulitaonawick, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Circle, AK	73	63	28	9	37	37	2	2	20	8	2	—	3	27.5
Clark's Point, AK	60	53	26	6	34	33	1	3	21	—	3	2	3	27.1
Copper Center, AK	449	155	77	24	101	98	6	10	40	7	9	3	23	26.6
Council, AK	8	5	2	—	5	5	1	—	1	2	—	—	1	47.5
Craig, AK	1 260	288	157	40	173	170	11	14	98	19	10	7	11	25.2
Crooked Creek, AK	106	96	44	19	57	55	2	11	23	3	1	5	10	23.0
Deering, AK	157	148	69	21	85	79	5	12	35	12	8	1	6	21.5
Dillingham, AK	2 017	1 125	587	176	686	656	37	57	345	94	31	30	62	25.0
Dot Lake, AK	53	31	13	3	20	18	1	—	6	3	3	1	4	28.8
Eagle, AK	35	28	12	1	22	22	1	1	13	3	—	1	3	32.5
Eek, AK	254	243	112	32	158	150	9	14	75	15	9	6	22	26.1
Egegik, AK	122	86	37	12	57	56	1	4	30	8	5	3	5	29.4
Eklutna, AK	381	48	26	5	27	27	1	—	13	9	—	—	2	28.3
Eku, AK	3	2	—	—	2	2	—	—	—	1	—	—	1	62.5
Ekwo, AK	77	67	33	10	46	46	4	3	21	7	1	4	6	30.8
Elim, AK	264	242	106	43	138	132	10	9	73	13	10	4	13	21.5
Emmonok, AK	642	591	279	107	360	340	42	59	128	50	19	14	28	21.2
English Bay, AK	158	144	72	22	76	72	6	10	37	13	3	—	3	18.0
Evansville, AK	69	27	16	2	18	16	1	—	9	—	1	2	3	28.8
Eyok, AK	172	13	5	3	7	7	—	—	7	—	—	—	—	27.5
Folsie Pass, AK	68	52	24	5	32	30	—	—	21	3	1	—	5	31.7
Fort Yukon, AK	580	493	226	58	313	299	21	27	162	34	13	16	26	25.4
Gakona, AK	25	—	—	—	—	—	—	—	—	—	—	—	—	—
Goleno, AK	833	377	178	57	233	212	13	19	113	33	10	14	10	23.3
Gambell, AK	525	505	212	73	315	299	24	39	152	34	17	14	19	23.4
Geargetown, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Golovin, AK	127	118	57	19	70	66	6	4	32	11	2	3	8	21.5
Goodnews Bay, AK	241	231	108	37	153	146	8	26	59	20	10	3	20	24.5
Grayling, AK	208	194	97	35	107	98	6	11	50	11	4	8	8	18.3
Grouse Creek Group, AK	580	81	46	11	47	46	1	5	27	4	3	4	2	24.6
Gulkana, AK	103	61	29	6	41	40	2	—	19	4	4	4	7	33.8
Hamilton, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Healy Lake, AK	47	40	20	1	22	22	1	3	12	4	—	—	2	22.0
Holy Cross, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hoonah, AK	795	534	250	55	346	326	20	23	163	60	16	14	30	26.9
Hooper Bay, AK	845	811	397	169	444	420	33	41	221	39	20	15	51	19.4
Hughes, AK	54	50	23	3	36	34	2	5	15	3	1	2	6	28.3
Huslia, AK	207	188	91	24	116	109	6	13	51	16	5	9	9	23.7
Hydaburg, AK	384	342	148	32	221	209	15	17	97	31	17	6	26	26.1
Igiugig, AK	33	26	12	4	19	18	2	1	5	5	4	—	1	30.0
Iliamna, AK	94	62	33	10	37	37	1	3	17	11	—	—	3	26.1
Inolik, AK	178	167	74	26	95	94	10	11	44	12	6	5	6	21.3
Ivonof Bay, AK	35	33	13	5	19	17	1	2	12	—	—	—	2	18.5
Kake, AK	700	514	228	77	330	309	22	30	149	45	20	15	28	25.0
Kaktovik, AK	224	189	84	28	125	123	4	18	59	16	8	8	10	26.7
Kalskog, AK	172	146	71	21	88	82	2	7	49	8	7	3	6	25.0
Koltog, AK	240	222	100	33	126	114	6	12	63	11	10	2	10	19.8
Korluk, AK	71	65	24	7	36	31	5	4	15	4	—	1	2	17.3

Table 6. Selected Population Characteristics for American Indian and Alaska Native Areas: 1990—Con.

[For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	American Indian, Eskimo, or Aleut														
	All persons	Total	Female	Age											
				Under 5 years	16 years and over	18 years and over	18 to 20 years	21 to 24 years	25 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age	
One Representative at Large—Con. ALASKA NATIVE VILLAGE STATISTICAL AREA—Con.															
Kasaan, AK	54	29	17	4	20	20	3	—	10	3	3	—	1	31.9	
Kosigliuk, AK	425	405	212	63	233	213	19	23	108	25	10	3	25	19.7	
Kiono, AK	385	360	179	63	193	181	17	16	83	24	11	9	21	18.2	
King Cove, AK	451	177	78	19	116	110	7	12	48	23	11	3	6	25.8	
King Salmon, AK	696	108	51	12	71	64	8	8	35	5	2	3	3	21.5	
Kipruuk, AK	470	458	203	75	281	263	20	33	132	33	16	7	22	23.0	
Kivalina, AK	317	309	145	46	174	162	10	22	74	23	10	7	16	19.9	
Klawock, AK	722	392	179	45	265	246	25	28	113	39	13	10	18	24.7	
Knik, AK	272	31	14	2	21	20	2	3	9	4	—	—	2	24.5	
Kobuk, AK	69	62	27	13	29	27	2	2	14	2	1	—	6	14.5	
Kokhanak, AK	152	137	69	19	83	77	1	9	44	8	3	4	8	24.5	
Koliganek, AK	181	174	92	35	102	97	4	11	54	6	6	5	11	22.9	
Kongiganak, AK	294	286	124	54	166	159	11	23	79	18	7	3	18	22.3	
Kotlik, AK	461	447	223	83	252	234	17	29	120	29	11	8	20	19.9	
Kotzebue, AK	2 751	2 067	1 068	357	1 225	1 159	103	144	607	112	53	41	99	21.9	
Koyuk, AK	231	219	100	33	135	128	13	14	56	22	6	4	13	23.0	
Koyukuk, AK	126	123	53	21	75	75	4	4	48	6	4	1	8	26.7	
Kwethluk, AK	558	538	256	70	331	316	26	35	144	32	22	13	44	23.4	
Kwigillingak, AK	278	264	124	35	181	171	14	24	79	19	6	6	23	25.2	
Lake Minchumina, AK	32	6	2	1	2	2	—	—	1	—	1	—	—	8.5	
Larsen Bay, AK	147	124	61	17	84	78	13	10	31	7	5	4	8	22.4	
Levelock, AK	105	87	36	12	58	55	3	5	27	6	1	4	9	26.9	
Lime Village, AK	42	40	19	5	25	24	1	1	13	1	2	1	5	27.5	
Lower Kalskog, AK	291	286	135	44	164	154	9	20	78	19	8	4	16	21.5	
McGroth, AK	528	248	133	31	147	125	8	12	66	20	5	3	11	18.5	
Monley Hot Springs, AK	96	14	6	2	9	9	—	1	4	2	1	—	1	30.0	
Manokotak, AK	385	368	175	62	218	210	19	27	95	32	11	9	17	22.6	
Marshall, AK	273	253	123	31	158	144	6	13	81	16	10	4	14	24.5	
Mary's Igloo, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Medfro, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mekoryuk, AK	177	176	73	10	127	121	6	10	57	17	3	12	16	29.5	
Mentasta Lake, AK	96	70	32	9	44	41	3	5	17	6	2	1	7	22.0	
Minto, AK	218	212	94	25	133	129	6	9	65	14	5	4	26	27.0	
Mountain Village, AK	674	614	308	109	344	310	40	45	135	39	15	15	21	18.3	
Noknek, AK	575	236	121	36	142	135	5	8	71	24	7	5	15	26.0	
Nopamiute, AK	3	3	2	—	3	3	1	1	—	—	—	1	—	23.5	
Nopakiak, AK	318	300	144	39	182	177	15	19	81	24	10	5	23	23.6	
Nopaskiak, AK	328	311	158	54	184	167	17	16	80	17	9	12	16	19.8	
Nelson Lagoon, AK	83	67	33	8	49	46	4	7	24	6	—	—	5	25.7	
Nenana, AK	393	188	84	26	118	111	9	2	61	12	5	7	15	26.9	
Newhalen, AK	160	151	73	24	84	81	9	7	40	11	3	7	4	19.8	
New Stuyahok, AK	391	375	177	67	229	214	16	28	105	32	6	6	21	22.5	
Newtok, AK	207	193	95	29	112	102	13	13	50	11	5	3	7	19.3	
Nightmute, AK	153	146	73	15	97	90	8	13	39	8	6	6	10	23.5	
Nikolai, AK	109	97	42	5	66	64	4	7	30	7	8	1	7	27.2	
Nikolski, AK	35	29	11	1	25	25	1	—	3	5	3	3	10	57.5	
Ninilchik, AK	10 523	455	232	48	288	270	12	17	147	31	21	11	31	28.2	
Noatak, AK	333	322	143	47	204	190	20	27	84	22	15	8	14	22.4	
Nondalton, AK	178	159	76	28	91	88	3	9	40	11	10	5	10	22.9	
Noorvik, AK	531	498	231	85	286	266	20	37	121	26	18	20	24	20.4	
Northway, AK	113	107	47	14	60	55	5	3	22	8	4	3	10	18.8	
Nuqsut, AK	354	328	152	63	182	174	7	27	83	28	13	2	14	21.8	
Nulato, AK	359	348	174	54	198	188	8	19	102	19	11	13	16	22.4	
Nunapituk, AK	378	367	171	54	237	224	20	24	108	31	7	12	22	24.4	
Ohogamiut, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Old Harbor, AK	284	252	118	36	155	146	15	18	73	13	9	7	11	22.2	
Oscarville, AK	57	52	24	7	34	31	4	4	12	6	2	1	2	22.0	
Ouzinkie, AK	209	178	82	21	128	118	8	7	54	21	5	9	14	30.7	
Paimlut, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Pedro Bay, AK	42	38	25	1	28	27	1	—	12	3	4	3	4	35.0	
Pelican, AK	222	65	34	6	43	42	7	6	21	2	5	—	1	22.9	
Perryville, AK	108	102	45	9	64	60	5	5	29	—	1	3	7	24.3	
Pilot Point, AK	53	45	22	7	29	28	3	3	15	3	—	—	4	24.5	
Pilot Station, AK	463	440	207	94	236	223	19	33	104	24	13	15	15	18.4	
Pitkos Point, AK	135	129	66	24	74	68	3	11	39	8	2	1	4	21.3	
Platinum, AK	64	59	24	8	39	34	1	4	15	7	4	1	2	24.5	
Point Hope, AK	639	587	261	108	303	287	19	25	162	34	21	7	19	16.8	
Point Lay, AK	139	113	47	15	79	73	10	10	30	14	3	2	4	23.5	
Portage Creek, AK	5	3	1	1	2	2	—	—	1	—	—	—	1	27.5	
Port Graham, AK	166	150	69	15	101	98	7	7	42	20	6	7	9	29.5	
Port Heiden, AK	119	86	36	13	55	54	—	6	32	8	2	4	2	27.5	
Port Lions, AK	222	150	65	21	97	93	8	6	43	13	9	3	11	26.7	
Quinhagak, AK	501	470	222	63	301	280	24	27	134	36	14	17	28	24.3	
Rampart, AK	68	64	26	10	40	38	1	7	16	8	2	2	2	23.8	
Red Devil, AK	53	27	15	4	17	16	1	1	9	1	1	1	2	26.3	
Ruby, AK	170	126	52	17	74	69	1	7	33	13	2	2	11	24.1	
Russian Mission, AK	246	233	110	43	119	106	6	16	52	10	4	4	14	16.3	
St. George, AK	138	131	70	17	78	77	1	3	48	3	7	6	9	28.1	
St. Mary's, AK	31	20	9	4	12	11	—	—	9	1	—	1	—	26.7	
St. Michael, AK	295	269	128	39	156	136	14	11	69	17	7	8	10	18.3	
St. Paul, AK	763	504	219	58	321	312	25	36	158	42	17	9	25	24.9	
Salamatof, AK	999	104	22	2	96	95	3	13	62	5	3	2	7	31.3	
Sand Point, AK	878	433	174	55	276	260	12	25	141	36	20	10	16	25.7	
Savaanga, AK	519	494	245	69	317	299	19	41	141	42	22	11	23	24.3	
Saxman, AK	369	284	132	33	187	180	13	14	92	31	10	4	16	27.4	
Scamman Bay, AK	343	331	165	64	183	164	12	22	78	22	7	2	21	17.7	
Selawik, AK	596	569	258	106	308	287	18	24	162	20	11	18	34	18.3	
Seldovia, AK	316	48	19	4	39	38	3	1	16	6	6	1	5	34.4	
Shogeluk, AK	139	132	58	23	78	77	1	11	38	4	6	7	10	24.7	
Shoktoolik, AK	178	168	78	30	100	94	9	10	48	6	3	3	15	21.3	

Table 6. Selected Population Characteristics for American Indian and Alaska Native Areas: 1990—Con.

[For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	All persons	American Indian, Eskima, or Aleut												
		Total	Female	Age										
				Under 5 years	16 years and aver	18 years and over	18 to 20 years	21 to 24 years	25 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 years and over	Median age
One Representative at Large—Con. ALASKA NATIVE VILLAGE STATISTICAL AREA—Con.														
Sheldon Point, AK	109	101	48	23	58	52	4	8	22	8	4	3	3	20.2
Shishmaref, AK	456	431	207	66	250	233	22	32	107	31	14	14	13	20.4
Shungnok, AK	223	211	110	32	126	118	8	16	57	7	7	10	13	22.7
Slano, AK	63	4	2	—	2	2	—	—	1	—	—	1	—	27.0
Sleetmute, AK	106	92	50	10	66	63	5	7	16	14	11	4	6	32.0
Salaman, AK	6	6	1	—	6	6	—	—	2	—	—	1	3	63.5
South Naknek, AK	136	108	45	16	69	67	2	9	33	7	7	—	9	26.1
Stebbins, AK	400	379	189	71	202	179	21	23	87	14	5	9	20	17.1
Stevens Village, AK	102	93	37	8	62	57	2	2	26	11	3	2	11	30.8
Stony River, AK	51	45	24	7	30	30	2	4	19	2	—	1	2	25.9
Takatna, AK	38	17	10	3	9	9	1	—	4	3	—	1	—	20.5
Tanacross, AK	106	100	45	6	72	68	1	3	31	16	3	2	12	36.5
Tonona, AK	345	270	129	31	175	164	10	11	80	17	11	10	25	27.7
Taititlek, AK	119	103	54	15	68	64	7	3	37	7	2	4	4	26.8
Tazlina, AK	247	57	29	8	33	32	2	2	17	4	4	1	2	24.3
Tellida, AK	11	10	2	1	4	4	—	—	4	—	—	—	—	14.0
Teller, AK	151	131	58	23	74	69	1	6	38	11	4	5	4	22.4
Tenakee Springs, AK	94	9	6	—	9	9	—	—	1	—	2	1	5	67.5
Teitlin, AK	87	83	33	7	60	56	4	5	22	7	5	3	10	28.9
Togiak, AK	613	535	267	84	340	318	25	40	160	31	19	13	30	23.4
Tak, AK	935	117	63	17	69	65	3	7	33	9	6	1	6	21.9
Toksook Bay, AK	420	401	197	62	257	241	33	35	97	39	8	13	16	21.8
Tuluksak, AK	358	342	170	54	196	187	14	29	91	16	9	10	18	21.2
Tuntutuliak, AK	300	290	134	44	184	172	14	27	78	22	7	10	14	23.1
Tununak, AK	316	304	142	45	190	178	13	22	80	26	12	7	18	23.6
Twin Hills, AK	66	61	28	12	41	41	1	4	20	5	3	1	7	28.9
Tyanek, AK	154	142	59	8	103	94	6	12	43	15	7	2	9	27.3
Ugashik, AK	7	6	1	—	6	6	2	1	1	—	—	1	1	30.0
Ukivak, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unalakleet, AK	714	584	279	80	356	330	16	24	166	46	17	21	40	24.6
Unalaska, AK	3 089	259	109	31	186	175	11	13	105	15	11	9	11	28.4
Venetie, AK	182	171	82	17	106	99	7	7	57	7	8	2	11	24.7
Wainwright, AK	492	464	227	64	270	260	14	28	133	32	21	14	18	23.2
Wales, AK	161	143	64	26	86	83	6	4	47	6	4	4	12	25.6
White Mountain, AK	180	158	72	23	100	95	2	6	53	12	5	3	14	29.0
Wiseman, AK	33	5	4	—	1	1	—	—	1	—	—	—	—	8.5
Yakutat, AK	534	294	145	34	199	187	15	19	91	22	5	13	22	26.4
ALASKA NATIVE REGIONAL CORPORATION														
Ahtna	3 089	592	292	81	388	371	22	27	159	52	25	18	68	28.0
Aleut	11 942	2 118	939	250	1 391	1 333	89	128	715	161	84	53	103	26.2
Arctic Slope	5 979	4 336	2 090	714	2 549	2 434	160	267	1 287	303	144	93	180	22.8
Bering Straits	8 288	6 148	2 936	879	3 808	3 576	267	365	1 787	457	182	156	362	23.6
Bristol Bay	7 028	4 639	2 278	714	2 875	2 737	170	278	1 389	355	146	125	274	24.6
Colista	19 447	16 775	8 184	2 676	10 089	9 459	785	1 190	4 653	1 115	469	367	880	22.0
Chugach	11 450	1 550	708	160	1 091	1 046	62	95	574	134	57	53	71	28.4
Cook Inlet	302 473	18 581	9 892	2 275	12 290	11 630	962	1 298	6 412	1 551	515	324	568	25.2
Doyon	91 936	10 793	5 406	1 387	6 798	6 412	506	658	3 350	774	317	254	553	24.1
Koniag	13 309	2 126	1 033	264	1 414	1 324	102	128	649	189	81	59	116	25.9
NANA	6 113	5 209	2 528	888	2 992	2 796	226	347	1 395	287	148	126	267	20.4
Sealaska	67 520	11 622	5 809	1 478	7 487	7 106	542	753	3 536	972	391	282	630	25.0

Table 7. General Characteristics of Housing Units: 1990

[For definitions of terms and meanings of symbols, see text]

State Congressional District	The State	One Representative at Large
HOUSING UNITS		
All housing units.....	232 608	232 608
TENURE BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER		
Occupied housing units.....	188 915	188 915
Owner-occupied housing units.....	105 989	105 989
White.....	88 541	88 541
Black.....	1 937	1 937
American Indian, Eskimo, or Aleut.....	12 997	12 997
Asian or Pacific Islander.....	1 956	1 956
Other race.....	558	558
Hispanic origin (of any race).....	1 733	1 733
Renter-occupied housing units.....	82 926	82 926
White.....	64 674	64 674
Black.....	4 990	4 990
American Indian, Eskimo, or Aleut.....	9 308	9 308
Asian or Pacific Islander.....	2 718	2 718
Other race.....	1 236	1 236
Hispanic origin (of any race).....	2 938	2 938
ROOMS		
All housing units.....	232 608	232 608
1 or 2 rooms.....	36 918	36 918
3 or 4 rooms.....	76 408	76 408
5 or 6 rooms.....	73 893	73 893
7 or 8 rooms.....	32 568	32 568
9 or more rooms.....	12 821	12 821
PERSONS PER ROOM		
Owner-occupied housing units.....	105 989	105 989
1.00 or less.....	97 667	97 667
1.01 to 1.50.....	4 519	4 519
1.51 or more.....	3 803	3 803
Mean.....	.52	.52
Renter-occupied housing units.....	82 926	82 926
1.00 or less.....	75 047	75 047
1.01 to 1.50.....	4 398	4 398
1.51 or more.....	3 481	3 481
Mean.....	.62	.62
VACANCY STATUS		
Vacant housing units.....	43 693	43 693
For sale only.....	4 967	4 967
For rent.....	7 717	7 717
Rented or sold, not occupied.....	2 744	2 744
For seasonal, recreational, or occasional use.....	16 991	16 991
For migrant workers.....	199	199
Other vacant.....	11 075	11 075
UNITS IN STRUCTURE		
All housing units.....	232 608	232 608
1, detached.....	124 185	124 185
1, attached.....	15 963	15 963
2.....	13 291	13 291
3 or 4.....	17 067	17 067
5 to 9.....	16 171	16 171
10 to 19.....	8 643	8 643
20 to 49.....	9 044	9 044
50 or more.....	3 542	3 542
Mobile home or trailer.....	20 280	20 280
Other.....	4 422	4 422
VALUE		
Specified owner-occupied housing units.....	77 527	77 527
Less than \$20,000.....	2 881	2 881
\$20,000 to \$39,999.....	4 834	4 834
\$40,000 to \$59,999.....	7 815	7 815
\$60,000 to \$74,999.....	9 057	9 057
\$75,000 to \$99,999.....	18 264	18 264
\$100,000 to \$149,999.....	23 012	23 012
\$150,000 to \$199,999.....	7 528	7 528
\$200,000 to \$249,999.....	2 263	2 263
\$250,000 to \$299,999.....	947	947
\$300,000 or more.....	926	926
Median (dollars).....	94 400	94 400
CONTRACT RENT		
Specified renter-occupied housing units.....	81 744	81 744
Less than \$150.....	2 060	2 060
\$150 to \$199.....	1 375	1 375
\$200 to \$249.....	2 350	2 350
\$250 to \$299.....	3 226	3 226
\$300 to \$399.....	11 641	11 641
\$400 to \$599.....	26 296	26 296
\$600 to \$749.....	11 754	11 754
\$750 to \$999.....	8 455	8 455
\$1,000 or more.....	3 422	3 422
No cash rent.....	11 165	11 165
Median (dollars).....	503	503

Table 8. Structural and Vacancy Characteristics: 1990

[For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	All housing units								Occupied housing units		Vacant housing units			
	Total	Units in structure							Total	With 1.01 or more persons per room	Total	For seasonal, recreational, or occasional use	Home- owner vacancy rate	Rental vacancy rate
		1 unit, detached	1 unit, attached	2 to 4 units	5 to 9 units	10 or more units	Mobile home, trailer, other	Mean number of rooms						
The State	232 608	124 185	15 963	30 358	16 171	21 229	24 702	4.7	188 915	16 201	43 693	16 991	4.5	8.5
One Representative at Large	232 608	124 185	15 963	30 358	16 171	21 229	24 702	4.7	188 915	16 201	43 693	16 991	4.5	8.5
BOROUGH AND CENSUS AREA														
Aleutians East Borough	693	463	14	35	28	35	118	4.8	533	32	160	66	.9	8.4
Aleutians West Census Area	2 051	542	816	354	90	110	139	4.9	1 845	104	206	41	1.2	2.2
Anchorage Borough	94 153	39 203	9 814	15 880	9 351	12 512	7 393	5.3	82 702	4 042	11 451	1 009	4.9	7.9
Bethel Census Area	4 362	3 479	107	212	78	220	266	3.3	3 605	1 501	757	273	1.8	5.4
Bristol Bay Borough	596	427	23	62	29	—	55	4.5	407	31	189	142	1.0	8.3
Dillingham Census Area	1 691	1 343	31	118	108	46	45	3.7	1 215	327	476	220	.6	18.6
Fairbanks North Star Borough	31 823	15 511	2 381	4 492	2 952	3 614	2 873	4.7	26 693	1 777	5 130	854	5.1	8.8
Haines Borough	1 112	731	11	94	40	32	204	4.1	791	83	321	206	3.9	7.7
Juneau Borough	10 638	4 489	1 418	1 327	756	1 243	1 405	4.9	9 902	529	736	248	1.5	4.1
Kenai Peninsula Borough	19 364	13 256	174	1 718	631	756	2 829	4.6	14 250	1 004	5 114	2 819	4.1	13.9
Ketchikan Gateway Borough	5 463	2 476	171	1 142	299	737	638	4.7	5 030	364	433	147	1.5	3.8
Kodiak Island Borough	4 885	2 565	118	874	353	368	607	4.5	4 083	431	802	405	2.1	8.0
Lake and Peninsula Borough	991	905	19	22	—	—	45	3.4	509	114	482	346	.6	14.8
Matanuska-Susitna Borough	20 953	16 523	171	1 528	384	245	2 102	4.6	13 394	995	7 559	4 479	8.9	11.5
Nome Census Area	3 684	2 879	84	365	116	106	134	3.2	2 371	733	1 313	983	1.4	7.8
North Slope Borough	2 153	1 490	36	187	47	276	117	3.4	1 673	500	480	248	.9	7.2
Northwest Arctic Borough	1 998	1 522	32	122	66	121	135	3.1	1 526	710	472	243	.9	9.1
Prince of Wales-Outer Ketchikan Census Area	2 543	1 236	22	108	43	84	1 050	4.1	2 061	263	482	178	3.3	9.5
Sitka Census Area	3 222	1 390	159	694	120	124	735	4.8	2 939	257	283	88	.7	5.3
Skagway-Yukutat-Angoon Census Area	2 102	1 364	27	93	45	19	554	4.0	1 422	179	680	491	3.0	8.4
Southeast Fairbanks Census Area	3 149	2 110	104	159	287	53	436	4.0	1 909	233	1 240	607	7.9	21.1
Valdez-Cordova Census Area	5 196	2 816	66	366	152	452	1 344	4.0	3 425	325	1 771	966	4.0	10.7
Wade Hampton Census Area	1 882	1 474	42	56	9	—	301	2.9	1 368	721	514	353	.2	6.6
Wrangell-Petersburg Census Area	3 005	1 732	56	249	164	74	730	4.4	2 514	208	491	230	.9	8.5
Yukon-Koyukuk Census Area	4 899	4 259	67	101	23	2	447	2.9	2 748	738	2 151	1 349	2.3	21.9
PLACE														
Anchorage city	94 153	39 203	9 814	15 880	9 351	12 512	7 393	5.3	82 702	4 042	11 451	1 009	4.9	7.9
College CDP	4 255	2 089	269	709	257	555	376	4.9	3 764	266	491	24	3.9	7.7
Fairbanks city	12 537	3 739	1 225	2 347	2 069	2 800	357	4.6	10 885	711	1 652	41	6.6	8.6
Juneau city	10 638	4 489	1 418	1 327	756	1 243	1 405	4.9	9 902	529	736	248	1.5	4.1

Table 9. **Occupancy and Financial Characteristics for Owner-Occupied Housing Units: 1990**

[For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	All owner-occupied housing units				Specified owner-occupied housing units									
	Total	1 unit, de- tached or attached	Persons per unit	Mean number of rooms	Total	Value								
						Less than \$50,000	\$50,000 to \$99,999	\$100,000 to \$149,999	\$150,000 to \$199,999	\$200,000 to \$299,999	\$300,000 or more	Lower quartile (dollars)	Median (dollars)	Upper quartile (dollars)
The State -----	105 989	86 534	2.97	5.7	77 527	10 989	31 862	23 012	7 528	3 210	926	66 400	94 400	128 500
One Representative at Large -----	105 989	86 534	2.97	5.7	77 527	10 989	31 862	23 012	7 528	3 210	926	66 400	94 400	128 500
BOROUGH AND CENSUS AREA														
Aleutians East Borough -----	327	293	3.34	5.7	269	30	173	38	14	11	3	69 100	85 700	99 700
Aleutians West Census Area -----	330	301	3.30	5.1	276	55	154	34	28	4	1	55 400	80 100	99 400
Anchorage Borough -----	43 672	35 188	2.84	6.4	32 892	1 822	11 796	12 440	4 332	1 904	598	81 700	109 700	143 300
Bethel Census Area -----	2 118	2 023	4.17	3.6	1 840	900	562	229	76	34	39	18 000	51 900	93 200
Bristol Bay Borough -----	198	188	3.06	5.6	161	26	53	35	23	20	4	56 800	102 000	160 500
Dillingham Census Area -----	768	756	3.67	4.4	650	273	168	104	62	30	13	27 100	63 300	119 700
Fairbanks North Star Borough -----	13 091	10 653	2.88	5.7	9 293	1 246	4 749	2 526	568	175	29	64 300	87 300	114 400
Haines Borough -----	514	387	2.72	5.0	321	68	158	75	15	5	—	54 200	81 000	107 400
Juneau Borough -----	5 764	4 313	2.83	5.8	4 009	74	1 403	1 684	540	250	58	88 300	113 500	144 600
Kenai Peninsula Borough -----	9 677	8 155	2.95	5.6	6 799	992	3 592	1 596	425	168	26	63 300	85 100	112 300
Ketchikan Gateway Borough -----	2 819	1 975	2.90	5.7	1 853	65	625	774	255	115	19	88 000	112 600	143 900
Kodiak Island Borough -----	2 043	1 595	3.20	5.4	1 411	100	507	428	239	112	25	80 500	111 500	153 600
Lake and Peninsula Borough -----	354	352	3.46	4.2	298	119	97	60	13	7	2	31 000	67 100	104 000
Matanuska-Susitna Borough -----	9 821	8 743	2.99	5.7	7 344	1 677	4 096	1 100	325	113	33	51 800	71 500	96 200
Nome Census Area -----	1 347	1 266	3.80	4.0	1 180	507	474	140	42	11	6	27 000	56 700	87 400
North Slope Borough -----	670	639	4.14	4.3	616	168	276	116	35	17	4	47 000	80 700	104 300
Northwest Arctic Borough -----	884	843	4.58	3.6	788	304	306	105	52	16	5	30 000	62 800	95 300
Prince of Wales-Outer Ketchikan Census Area -----	1 247	724	3.03	4.5	649	217	302	88	22	16	4	40 200	63 300	93 200
Sitka Borough -----	1 644	1 087	3.01	5.7	984	31	291	424	148	82	8	91 500	120 000	149 100
Skagway-Yukutat-Angoon Census Area -----	771	620	2.95	5.0	534	154	282	67	17	6	8	46 600	65 200	90 900
Southeast Fairbanks Census Area -----	1 161	1 047	2.86	4.6	706	318	272	74	31	7	4	24 500	54 900	88 500
Voldez-Cordova Census Area -----	2 210	1 471	2.87	5.1	1 162	251	359	387	117	40	8	59 400	97 100	127 700
Wade Hampton Census Area -----	929	919	4.70	3.5	882	472	319	74	5	3	9	17 400	42 400	84 400
Wrangell-Petersburg Census Area -----	1 676	1 191	2.82	5.2	1 068	167	453	293	105	45	5	62 500	91 700	123 700
Yukon-Koyukuk Census Area -----	1 954	1 805	3.02	3.6	1 542	953	395	121	39	19	15	15 000—	31 800	71 600
PLACE														
Anchorage city -----	43 672	35 188	2.84	6.4	32 892	1 822	11 796	12 440	4 332	1 904	598	81 700	109 700	143 300
College CDP -----	2 031	1 629	2.91	6.1	1 465	109	693	498	126	33	6	75 700	96 100	122 700
Fairbanks city -----	3 384	2 725	2.68	6.0	2 492	248	1 448	641	109	41	5	65 300	85 400	109 700
Juneau city -----	5 764	4 313	2.83	5.8	4 009	74	1 403	1 684	540	250	58	88 300	113 500	144 600

Table 10. **Occupancy and Financial Characteristics for Renter-Occupied Housing Units: 1990**

[For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	All renter-occupied housing units				Specified renter-occupied housing units paying cash rent									
	Total	1 unit, de- tached or attached	Persons per unit	Mean number of rooms	Total	Contract rent								With meals included in rent
						Less than \$250	\$250 to \$499	\$500 to \$749	\$750 to \$999	\$1,000 or more	Lower quartile (dollars)	Median (dollars)	Upper quartile (dollars)	
The State	82 926	26 765	2.58	4.1	70 579	5 785	29 167	23 750	8 455	3 422	377	503	666	232
One Representative at Large	82 926	26 765	2.58	4.1	70 579	5 785	29 167	23 750	8 455	3 422	377	503	666	232
BOROUGH AND CENSUS AREA														
Aleutians East Borough	206	90	2.38	4.2	131	8	52	64	6	1	380	518	592	—
Aleutians West Census Area	1 515	952	2.95	5.0	583	45	328	79	69	62	359	428	707	46
Anchorage Borough	39 030	9 727	2.50	4.3	35 485	1 157	14 684	12 631	4 735	2 278	412	528	692	69
Bethel Census Area	1 487	938	3.07	3.3	1 237	362	295	297	223	60	192	460	727	3
Bristol Bay Borough	209	117	2.56	4.4	162	19	67	61	12	3	349	464	620	—
Dillingham Census Area	447	238	2.66	3.6	355	75	93	118	55	14	284	518	691	3
Fairbanks North Star Borough	13 602	4 417	2.64	4.1	10 220	1 025	4 658	3 331	968	238	349	471	621	31
Haines Borough	277	125	2.34	3.6	217	51	113	47	6	—	266	405	498	1
Juneau Borough	4 138	1 204	2.42	4.0	3 990	294	992	1 786	724	194	448	587	736	10
Kenai Peninsula Borough	4 573	1 842	2.45	4.1	3 932	555	2 189	1 024	143	21	310	410	531	8
Ketchikan Gateway Borough	2 211	490	2.44	3.7	2 071	147	751	863	273	37	393	533	676	4
Kodiak Island Borough	2 040	546	2.85	4.1	1 907	144	585	604	368	206	410	602	816	4
Lake and Peninsula Borough	155	120	2.68	3.9	85	26	26	27	6	—	202	417	584	1
Matanuska-Susitna Borough	3 573	1 725	2.75	4.3	2 989	376	1 627	847	115	24	323	430	540	4
Nome Census Area	1 024	529	2.91	3.4	786	117	218	231	181	39	365	546	782	3
North Slope Borough	1 003	529	2.97	3.5	868	133	220	277	169	69	323	600	781	17
Northwest Arctic Borough	642	342	3.12	3.1	457	88	101	94	105	69	315	627	892	1
Prince of Wales-Outer Ketchikan Census Area	814	250	2.75	4.1	646	182	304	143	14	3	229	329	497	1
Sitka Borough	1 295	331	2.54	3.9	1 194	96	437	491	146	24	409	520	643	3
Skagway-Yakutat-Angoon Census Area	651	328	2.92	4.2	503	203	243	52	4	1	204	306	408	4
Southeast Fairbanks Census Area	748	324	3.11	5.0	270	44	168	51	5	2	307	389	472	1
Voldez-Cordova Census Area	1 215	351	2.48	4.0	946	147	392	320	56	31	313	457	613	8
Wade Hampton Census Area	439	345	3.24	3.2	235	97	45	21	39	33	100—	359	835	—
Wrangell-Petersburg Census Area	838	271	2.55	3.9	747	143	362	211	22	9	285	422	532	5
Yukon-Koyukuk Census Area	794	634	2.54	3.3	563	251	217	80	11	4	121	279	436	5
PLACE														
Anchorage city	39 030	9 727	2.50	4.3	35 485	1 157	14 684	12 631	4 735	2 278	412	528	692	69
College COP	1 733	468	2.48	3.7	1 650	217	746	501	158	28	321	453	630	7
Fairbanks city	7 501	1 752	2.59	4.1	5 704	413	2 869	1 983	333	106	361	467	593	14
Juneau city	4 138	1 204	2.42	4.0	3 990	294	992	1 786	724	194	448	587	736	10

Table 11. Occupied Housing Units by Race and Hispanic Origin of Householder: 1990

[For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	All occupied housing units	Race of householder					Householder of Hispanic origin (of any race)	Householder not of Hispanic origin				
		White	Black	American Indian, Eskimo, or Aleut	Asian or Pacific Islander	Other race		White	Black	American Indian, Eskimo, or Aleut	Asian or Pacific Islander	Other race
The State -----	188 915	153 215	6 927	22 305	4 674	1 794	4 671	150 833	6 782	22 093	4 458	78
One Representative at Large -----	188 915	153 215	6 927	22 305	4 674	1 794	4 671	150 833	6 782	22 093	4 458	78
BOROUGH AND CENSUS AREA												
Aleutians East Borough -----	533	205	—	313	8	7	7	205	—	313	8	—
Aleutians West Census Area -----	1 845	1 329	91	289	108	28	67	1 298	91	288	100	1
Anchorage Borough -----	82 702	69 861	4 762	4 126	2 877	1 076	2 642	68 563	4 653	4 034	2 760	50
Bethel Census Area -----	3 605	945	23	2 600	21	16	33	928	23	2 597	21	3
Bristol Bay Borough -----	407	277	1	127	2	—	8	271	1	125	2	—
Dillingham Census Area -----	1 215	420	2	778	7	8	15	415	2	776	6	1
Fairbanks North Star Borough -----	26 693	22 945	1 605	1 412	442	289	754	22 540	1 579	1 390	419	11
Haines Borough -----	791	691	—	90	5	5	6	690	—	90	5	—
Juneau Borough -----	9 902	8 461	103	935	327	76	185	8 383	99	917	317	1
Kenai Peninsula Borough -----	14 250	13 274	42	804	97	33	177	13 138	42	799	91	3
Ketchikan Gateway Borough -----	5 030	4 341	25	526	125	13	79	4 295	25	514	116	1
Kodiak Island Borough -----	4 083	3 069	40	647	269	58	154	2 998	40	641	249	1
Lake and Peninsula Borough -----	509	145	—	362	1	1	3	145	—	360	1	—
Matanuska-Susitna Borough -----	13 394	12 769	87	442	53	43	178	12 642	83	437	51	3
Nome Census Area -----	2 371	849	4	1 481	19	18	30	838	4	1 480	19	—
North Slope Borough -----	1 673	529	14	1 024	83	23	42	518	14	1 021	77	1
Northwest Arctic Borough -----	1 526	380	5	1 136	5	—	7	376	5	1 133	5	—
Prince of Wales-Outer Ketchikan Census Area -----	2 061	1 360	2	682	5	12	35	1 343	2	675	5	1
Sitka Borough -----	2 939	2 331	13	484	93	18	62	2 302	13	475	87	—
Skagway-Yukutat-Angoon Census Area -----	1 422	954	1	452	7	8	20	948	1	446	7	—
Southeast Fairbanks Census Area -----	1 909	1 590	75	207	13	24	50	1 570	73	204	12	—
Valdez-Cordova Census Area -----	3 425	2 956	14	367	69	19	63	2 922	14	363	63	—
Wade Hampton Census Area -----	1 368	166	6	1 188	4	4	8	163	6	1 187	3	1
Wrangell-Petersburg Census Area -----	2 514	2 078	3	403	22	8	29	2 060	3	400	22	—
Yukon-Koyukuk Census Area -----	2 748	1 290	9	1 430	12	7	17	1 282	9	1 428	12	—
PLACE												
Anchorage city -----	82 702	69 861	4 762	4 126	2 877	1 076	2 642	68 563	4 653	4 034	2 760	50
College CDP -----	3 764	3 320	98	207	112	27	69	3 281	96	205	111	2
Fairbanks city -----	10 885	8 435	1 150	871	236	193	452	8 216	1 131	858	222	6
Juneau city -----	9 902	8 461	103	935	327	76	185	8 383	99	917	317	1

Table 12. **Selected Housing and Household Characteristics and Land Area for American Indian and Alaska Native Areas: 1990**

[For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	All housing units		Occupied housing units with American Indian, Eskima, or Aleut householder				Households with American Indian, Eskima, or Aleut householder				Land area		
	Total	Occupied	Owner occupied		Renter occupied		Family households			Nanfamily households		Square kilo- meters	Square miles
			Total	Mean value (dollars), specified owner	Total	Mean can- tract rent (dollars), specified renter paying cash rent	Total	Married- couple family	Female house- holder, no husband present	Total	Householder living alone		
One Representative at Large	232 608	188 915	12 997	72 000	9 308	424	16 432	9 581	4 746	5 873	4 615	1 477 267.5	570 373.6
AMERICAN INDIAN RESERVATION AND TRUST LAND													
All areas	529	449	270	69 000	78	222	281	181	61	67	62	333.9	128.9
Annette Islands Reserve, AK	529	449	270	69 000	78	222	281	181	61	67	62	333.9	128.9
ALASKA NATIVE VILLAGE STATISTICAL AREA													
All areas	28 744	22 334	8 508	66 000	3 311	343	9 277	5 700	2 201	2 542	2 146	23 368.7	9 022.7
Akiak, AK	35	19	11	65 500	6	90	13	9	2	4	4	19.0	7.3
Akiachok, AK	130	113	72	45 000	30	50	89	64	14	13	13	60.0	23.2
Akiak, AK	80	67	45	82 700	18	269	50	34	12	13	11	4.9	1.9
Akutan, AK	34	31	22	77 000	1	50	14	6	4	9	6	35.1	13.6
Alakanuk, AK	140	121	100	47 800	12	875	96	59	26	16	14	89.8	34.7
Alatna, AK	14	13	12	22 200	—	—	6	—	—	6	6	6.1	2.4
Aleknagik, AK	84	57	43	116 100	3	313	35	24	6	11	10	31.8	12.3
Alexander, AK	28	16	—	—	2	—	2	2	—	—	—	147.0	56.8
Allakaket, AK	61	46	42	21 100	2	263	34	20	8	10	10	5.6	2.1
Ambler, AK	79	71	46	41 000	8	138	47	26	11	7	7	30.0	11.6
Anaktuvuk Pass, AK	81	75	37	93 900	17	308	39	22	9	15	13	36.0	13.9
Andreafsky, AK	138	110	62	42 800	19	289	65	40	18	16	12	6.5	2.5
Angoon, AK	166	156	40	66 300	72	170	98	64	22	14	13	59.5	23.0
Aniak, AK	175	159	37	62 900	53	235	68	44	15	22	17	12.2	4.7
Anvik, AK	47	32	24	21 000	3	50	16	7	7	11	10	28.9	11.2
Arctic Village, AK	50	36	26	23 100	7	157	21	8	9	12	11	173.7	67.1
Atka, AK	41	30	23	68 500	2	—	21	14	5	4	4	260.7	100.7
Atkasook, AK	64	52	30	87 500	14	300	37	23	7	7	4	106.8	41.2
Atmautluak, AK	67	53	28	33 500	21	142	45	40	4	4	3	4.5	1.7
Barrow, AK	933	835	190	93 900	221	513	327	184	107	84	69	48.3	18.6
Beaver, AK	52	43	30	20 600	10	88	18	5	3	22	20	49.8	19.2
Belkafski, AK	4	—	—	—	—	—	—	—	—	—	—	5.6	2.2
Bethel, AK	624	432	311	82 600	394	491	536	279	199	169	122	114.7	44.3
Bill Moore's, AK	3	—	—	—	—	—	—	—	—	—	—	4.2	1.6
Birch Creek, AK	21	15	14	228 400	—	—	9	2	4	5	4	26.0	10.1
Brevig Mission, AK	64	53	38	76 400	12	282	38	13	11	12	8	10.8	4.2
Buckland, AK	70	69	46	58 300	17	146	57	37	15	6	6	3.6	1.4
Cantwell, AK	85	62	5	87 500	7	113	9	5	1	3	3	113.3	43.7
Canyon Village, AK	5	—	—	—	—	—	—	—	—	—	—	109.6	42.3
Chalkyitsik, AK	52	33	29	16 800	2	300	18	10	5	13	12	5.3	2.0
Chefarnak, AK	79	64	51	93 400	7	—	53	40	8	5	5	83.0	32.1
Chenega, AK	34	29	15	95 300	2	—	14	10	3	3	3	74.5	28.8
Chevak, AK	164	147	90	59 300	37	76	90	51	24	37	35	4.0	1.5
Chignik, AK	104	46	25	93 300	3	463	21	14	3	7	7	30.3	11.7
Chignik Lagoon, AK	83	17	9	76 000	—	—	7	7	—	2	1	31.8	12.3
Chignik Lake, AK	57	34	25	62 100	4	363	27	17	6	2	2	47.6	18.4
Chilkat, AK	66	36	24	44 300	7	115	25	13	9	6	4	5.0	1.9
Chilkaat, AK	110	90	8	93 300	2	694	8	7	—	2	1	9	3
Chistachina, AK	34	20	10	31 100	—	—	8	3	4	2	1	43.8	16.9
Chitina, AK	37	22	5	28 800	4	—	7	3	2	2	1	74.1	28.6
Chuathbaluk, AK	33	28	18	57 100	5	50	18	8	3	5	5	10.8	4.2
Chullaanaawick, AK	10	—	—	—	—	—	—	—	—	—	—	41.0	15.8
Circle, AK	31	23	8	31 700	11	166	14	2	7	5	4	11.8	4.6
Clark's Point, AK	55	18	10	87 700	6	—	13	7	6	3	3	9.8	3.8
Copper Center, AK	244	166	38	62 800	14	250	36	17	11	16	15	55.2	21.3
Council, AK	32	3	1	27 500	—	—	1	1	—	—	—	57.0	22.0
Craig, AK	504	444	59	89 500	31	373	62	37	20	28	17	15.3	5.9
Crooked Creek, AK	49	33	19	66 300	8	148	20	5	10	7	7	104.4	40.3
Deering, AK	54	44	26	55 000	12	122	28	11	13	10	10	13.6	5.3
Dillingham, AK	851	691	196	106 300	136	436	243	160	67	89	66	84.8	32.7
Dat Lake, AK	23	18	8	69 400	2	—	7	2	2	3	3	2.4	9
Eagle, AK	36	20	15	15 300	—	—	7	1	2	8	8	87.5	33.8
Eek, AK	80	72	40	12 100	26	60	48	31	11	18	15	2.7	1.0
Egegik, AK	66	48	23	76 000	5	—	13	6	4	15	12	139.5	53.9
Eklutna, AK	139	123	13	78 800	4	354	10	3	5	7	7	16.3	6.3
Ekuk, AK	65	1	—	—	1	—	1	—	1	—	—	38.4	14.8
Ekwak, AK	39	30	25	91 700	1	725	19	15	3	7	7	51.1	19.7
Elim, AK	121	73	53	51 400	11	182	52	27	13	12	8	226.7	473.6
Emmanok, AK	172	161	104	62 700	33	312	114	65	24	23	22	16.2	6.2
English Bay, AK	51	42	34	53 500	4	113	29	20	5	9	8	19.6	7.6
Evansville, AK	44	32	7	28 400	1	—	6	2	4	2	2	119.6	46.2
Eyak, AK	62	55	4	162 500	—	—	3	3	—	1	1	34.0	13.1
False Pass, AK	36	23	14	78 300	3	513	11	6	4	6	5	38.3	14.8
Fart Yukon, AK	272	205	137	40 600	24	140	118	48	46	43	42	17.6	6.8
Gakana, AK	12	7	—	—	—	—	—	—	—	—	—	3.1	1.2
Galena, AK	286	190	79	66 500	33	264	77	45	9	35	24	42.8	16.5
Gambell, AK	132	120	101	50 400	8	700	94	55	14	15	14	28.8	11.1
Geargetawn, AK	4	—	—	—	—	—	—	—	—	—	—	64.2	24.8
Galavin, AK	49	42	27	70 100	11	79	23	13	5	15	15	9.9	3.8
Gaadnews Bay, AK	72	66	54	19 000	7	191	50	25	15	11	8	8.4	3.2
Grayling, AK	62	51	38	36 800	7	228	37	23	10	8	8	27.6	10.7
Grouse Creek Group, AK	232	198	20	86 900	1	113	14	8	5	7	5	21.9	8.5
Gulkana, AK	60	42	17	49 900	8	171	14	5	7	11	9	31.1	12.0
Hamilton, AK	6	—	—	—	—	—	—	—	—	—	—	11.9	4.6
Healy Lake, AK	47	14	12	15 800	—	—	10	5	2	2	2	412.7	159.3
Haly Cross, AK	—	—	—	—	—	—	—	—	—	—	—	6.1	2.4
Haanah, AK	268	242	122	57 500	33	286	123	85	23	32	29	3.4	1.3
Haoper Bay, AK	203	190	138	36 100	37	245	141	91	34	34	31	22.1	8.5
Hughes, AK	29	22	15	17 000	6	—	12	7	3	9	9	6.4	2.5
Huslia, AK	85	62	52	29 500	5	50	39	19	13	18	17	40.1	15.5

Table 12. **Selected Housing and Household Characteristics and Land Area for American Indian and Alaska Native Areas: 1990—Con.**

[For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	All housing units		Occupied housing units with American Indian, Eskimo, or Aleut householder				Households with American Indian, Eskimo, or Aleut householder					Land area	
	Total	Occupied	Owner occupied		Renter occupied		Family households			Nonfamily households		Square kilo- meters	Square miles
			Total	Mean value (dollars), specified owner	Total	Mean con- tract rent (dollars), specified renter paying cash rent	Total	Married- couple family	Female house- holder, no husband present	Total	Householder living alone		
One Representative at Large—Con. ALASKA NATIVE VILLAGE STATISTICAL AREA—Con.													
Hydaburg, AK	135	118	65	74 300	34	210	74	47	16	25	23	1.3	.5
Igiugig, AK	16	13	9	75 700	1	113	5	4	1	5	5	70.8	27.3
Iliamna, AK	36	30	13	126 700	7	444	17	16	—	3	2	57.1	22.1
Inalik, AK	41	41	8	25 100	29	—	31	16	6	6	6	4.9	1.9
Ivanof Bay, AK	14	9	5	22 900	3	188	8	6	1	—	—	28.8	11.1
Keke, AK	265	220	134	65 600	23	301	127	93	19	30	27	20.7	8.0
Kaktovik, AK	82	67	32	83 800	18	405	36	25	2	14	12	2.2	.8
Kolskag, AK	51	48	22	35 200	13	169	26	14	4	9	8	9.8	3.8
Kotag, AK	74	63	50	41 100	4	166	43	24	8	11	11	56.6	21.9
Karluk, AK	27	18	15	118 000	1	50	14	8	4	2	2	120.5	46.5
Kasaan, AK	30	19	6	61 500	5	278	10	6	3	1	1	13.8	5.3
Kasigluk, AK	105	89	48	71 400	31	84	72	56	13	7	7	48.8	18.9
Kiana, AK	124	91	67	52 700	13	379	60	31	20	20	19	.8	.3
King Cove, AK	127	88	40	79 800	9	563	40	32	7	9	7	7.5	2.9
King Salmon, AK	228	158	16	219 700	9	575	18	14	4	7	6	568.1	219.3
Kipnuk, AK	128	99	94	44 200	1	—	84	70	9	11	9	76.4	29.5
Kivalina, AK	71	67	46	39 600	15	406	54	36	6	7	7	4.6	1.8
Klawock, AK	281	241	71	95 600	40	324	91	63	17	20	16	.9	.3
Knik, AK	178	105	8	37 100	1	113	7	3	2	2	2	25.2	9.7
Kobuk, AK	24	18	11	51 900	3	—	10	3	6	4	4	42.4	16.4
Kakhanok, AK	41	38	28	45 500	4	163	27	14	12	5	5	56.3	21.7
Kaliganek, AK	53	47	37	21 300	4	163	36	24	6	5	4	251.6	97.1
Kongiganak, AK	67	60	53	16 400	2	—	52	35	9	3	3	29.5	11.4
Kotlik, AK	109	101	77	67 600	15	291	83	69	9	9	7	9.1	3.5
Kotzebue, AK	911	764	231	112 200	250	637	384	215	113	97	68	69.8	26.9
Koyuk, AK	70	61	45	53 900	9	137	45	24	15	9	9	11.7	4.5
Koyukuk, AK	50	40	34	19 200	3	119	28	14	5	9	8	15.5	6.0
Kwethluk, AK	138	127	95	51 000	19	325	99	71	15	15	15	26.4	10.2
Kwigillingak, AK	78	62	52	22 000	5	875	53	49	4	4	4	40.8	15.7
Lake Minchumino, AK	34	12	1	27 500	—	—	1	1	—	—	—	189.4	73.1
Larsen Bay, AK	74	44	31	75 300	5	90	26	16	8	10	6	13.4	5.2
Levelock, AK	46	39	15	57 500	16	215	21	15	2	10	10	72.9	28.2
Lime Village, AK	17	14	10	15 900	3	513	8	5	2	5	4	138.3	53.4
Lower Kalskag, AK	73	67	45	89 600	19	82	55	34	16	9	7	3.3	1.3
McGrath, AK	207	175	21	54 900	46	180	46	25	16	21	17	97.3	37.6
Manley Hot Springs, AK	115	46	5	49 200	—	—	5	2	2	—	—	151.4	58.5
Manokotok, AK	107	90	67	61 200	17	332	76	58	14	8	7	111.0	42.9
Marshall, AK	83	70	51	45 800	9	66	49	32	9	11	9	11.6	4.5
Mary's Igloo, AK	8	—	—	—	—	—	—	—	—	—	—	29.1	11.2
Medfra, AK	8	—	—	—	—	—	—	—	—	—	—	52.2	20.1
Mekaryuk, AK	67	63	56	71 800	6	102	41	29	6	21	21	19.1	7.4
Mentasta Lake, AK	51	33	12	75 300	8	157	13	6	5	7	6	203.1	78.4
Minto, AK	95	66	59	74 700	5	50	47	22	13	17	14	421.8	162.9
Mountain Village, AK	191	148	73	72 600	46	111	108	71	23	11	9	11.3	4.3
Naknek, AK	276	208	55	133 800	15	361	48	39	2	22	20	186.8	72.1
Napaimute, AK	9	1	1	67 500	—	—	1	—	1	—	—	113.7	43.9
Nopakiok, AK	105	81	39	77 000	34	141	61	36	13	12	11	16.7	6.5
Nopaskiak, AK	99	74	61	192 200	4	313	60	50	10	5	5	11.4	4.4
Nelson Lagoon, AK	35	31	22	184 000	2	—	19	12	5	5	4	634.7	245.1
Nenona, AK	190	140	50	62 700	11	335	39	18	12	22	19	14.2	5.5
Newhalen, AK	40	36	27	86 100	6	423	30	21	4	3	3	15.5	6.0
New Stuyahok, AK	95	88	60	74 000	20	106	71	54	11	9	9	87.9	33.9
Newtok, AK	45	42	23	50 800	14	109	31	23	2	6	6	18.8	7.3
Nightmute, AK	36	29	23	73 300	1	—	22	18	2	2	2	251.7	97.2
Nikolai, AK	43	40	26	19 500	9	169	21	13	5	14	12	12.8	4.9
Nikolski, AK	26	19	16	59 200	1	—	7	7	—	10	10	228.9	88.4
Ninilchik, AK	5 203	3 761	87	85 400	40	311	88	65	14	39	32	8 506.1	3 284.2
Nootak, AK	85	74	53	56 000	13	250	51	33	10	15	13	45.8	17.7
Nondalton, AK	65	54	31	70 900	12	138	37	18	8	6	5	21.5	8.3
Noorvik, AK	125	107	77	36 400	18	197	83	48	20	12	10	.5	.2
Northway, AK	37	30	23	58 600	2	—	21	11	3	4	4	10.9	4.2
Nuiqsut, AK	102	91	55	73 800	25	273	64	35	16	16	15	21.5	8.3
Nulato, AK	117	90	72	55 000	11	54	66	34	18	17	16	120.4	46.5
Nunapitchuk, AK	97	87	54	36 900	29	149	68	52	9	15	13	16.0	6.2
Ohogamiut, AK	2	—	—	—	—	—	—	—	—	—	—	17.4	6.7
Old Harbor, AK	112	87	70	51 800	6	229	57	31	15	19	15	52.9	20.4
Oscarville, AK	21	15	11	143 100	2	50	11	8	2	2	2	3.9	1.5
Ouzinkie, AK	82	68	53	98 200	6	333	45	29	9	14	10	14.5	5.6
Paimiut, AK	2	—	—	—	—	—	—	—	—	—	—	65.3	25.2
Pedro Bay, AK	36	17	15	85 200	1	875	10	7	2	6	5	47.1	18.2
Pelican, AK	98	81	7	157 100	12	352	14	7	6	5	4	.9	.3
Perryville, AK	45	31	26	24 700	2	137	23	16	6	5	5	96.2	37.1
Pilot Point, AK	57	17	12	151 800	1	—	12	10	—	1	1	172.8	66.7
Pilot Station, AK	123	100	68	71 300	24	107	78	60	13	14	13	3.9	1.5
Pitkas Point, AK	47	37	22	80 200	12	175	27	19	7	7	6	2.7	1.0
Platinum, AK	45	22	18	20 400	1	—	14	6	3	5	4	115.4	44.6
Point Hope, AK	174	143	56	84 200	65	184	107	61	27	14	10	14.5	5.6
Point Lay, AK	48	44	19	101 000	18	246	26	11	4	11	8	45.0	17.4
Portage Creek, AK	22	3	—	—	1	—	—	—	—	1	1	33.7	13.0
Port Graham, AK	68	60	45	62 600	9	141	38	24	7	16	14	15.3	5.9

Table 12. **Selected Housing and Household Characteristics and Land Area for American Indian and Alaska Native Areas: 1990—Con.**

[For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	All housing units		Occupied housing units with American Indian, Eskimo, or Aleut householder				Households with American Indian, Eskimo, or Aleut householder				Land area		
	Total	Occupied	Owner occupied		Renter occupied		Family households			Nonfamily households		Squore kilo- meters	Squore miles
			Total	Mean value (dollars), specified owner	Total	Mean con- tract rent (dollars), specified renter paying cash rent	Total	Married- couple family	Female house- holder, no husband present	Total	Householder living alone		
One Representative at Large—Con. ALASKA NATIVE VILLAGE STATISTICAL AREA—Con.													
Port Heiden, AK	61	42	22	105 000	6	113	20	12	4	8	5	132.3	51.1
Port Lions, AK	103	73	47	75 300	2	213	38	31	5	11	11	17.1	6.6
Quinhagak, AK	136	127	83	49 300	32	64	100	66	20	15	13	12.7	4.9
Rampart, AK	42	24	20	49 000	1	50	13	5	6	8	6	604.3	233.3
Red Devil, AK	24	18	7	24 700	1	—	5	2	2	3	3	60.8	23.5
Ruby, AK	92	61	30	51 200	10	225	22	15	3	18	14	19.1	7.4
Russian Mission, AK	58	56	41	62 800	8	875	41	31	8	8	8	13.2	5.1
St. George, AK	67	45	30	54 900	10	138	32	22	5	8	7	90.4	34.9
St. Mary's, AK	16	8	4	29 200	1	—	4	3	—	1	1	101.8	39.3
St. Michael, AK	78	69	43	29 500	12	90	47	28	12	8	8	54.9	21.2
St. Paul, AK	177	154	102	86 300	21	414	102	71	17	21	15	103.8	40.1
Salamatof, AK	424	264	7	66 700	14	322	10	5	5	11	9	21.0	8.1
Sand Point, AK	272	242	110	92 200	30	451	99	72	15	41	29	20.0	7.7
Savoonga, AK	129	116	85	48 500	22	90	90	58	15	17	17	19.0	7.3
Saxman, AK	105	99	57	109 700	13	398	58	32	18	12	9	1.7	.6
Scammon Bay, AK	99	85	67	58 700	12	71	61	35	15	18	16	1.9	.7
Selawik, AK	154	129	88	58 600	26	163	104	55	32	10	10	7.4	2.9
Seldovia, AK	221	129	13	83 300	1	163	9	5	—	5	5	.8	.3
Shogeluk, AK	49	42	32	28 200	6	206	26	9	8	12	10	24.8	9.6
Shoktoolik, AK	58	46	34	28 100	6	107	35	28	3	5	4	4.1	1.6
Sheldon Point, AK	33	27	1	12 500	21	50	19	9	1	3	2	34.3	13.2
Shishmaref, AK	136	119	80	71 600	28	176	84	41	24	24	22	7.2	2.8
Shungnak, AK	68	54	40	57 200	7	163	39	24	8	8	7	22.1	8.5
Slano, AK	33	25	1	—	—	—	—	—	—	1	1	44.8	17.3
Sleetmute, AK	38	33	25	44 600	3	363	21	11	5	7	7	71.6	27.6
Solomon, AK	4	4	4	27 500	—	—	1	—	—	3	3	40.6	15.7
South Naknek, AK	90	39	25	78 300	5	159	25	15	7	5	2	247.4	95.5
Stebbins, AK	87	86	68	40 300	9	155	69	43	13	8	7	92.6	35.8
Stevens Village, AK	53	37	27	66 300	8	120	15	6	2	20	16	22.6	8.7
Stony River, AK	27	19	12	65 000	4	363	9	3	5	7	4	44.3	17.1
Takotna, AK	40	15	3	35 000	1	113	2	1	1	2	2	37.7	14.5
Tonocross, AK	53	35	33	27 600	—	—	23	15	4	10	10	203.1	78.4
Tanona, AK	169	123	47	53 000	39	117	57	27	22	29	26	43.7	16.9
Totitlek, AK	52	33	25	84 500	3	—	28	18	8	—	—	14.5	5.6
Tazlina, AK	99	80	15	55 600	2	463	12	5	1	5	4	33.1	12.8
Telida, AK	7	3	2	9 000	—	—	2	—	—	—	—	155.9	60.2
Teller, AK	64	44	13	23 500	20	66	24	8	10	9	7	.7	.3
Tenakee Springs, AK	139	51	3	111 700	3	88	3	3	—	3	2	30.3	11.7
Tetlin, AK	47	28	23	12 400	1	—	18	7	7	6	6	396.1	152.9
Togiak, AK	200	151	117	70 900	8	431	107	77	23	18	14	116.0	44.8
Tok, AK	561	367	16	57 900	15	420	18	13	4	13	11	344.4	133.0
Toksook Bay, AK	103	88	67	167 200	14	875	71	60	7	10	9	83.5	32.2
Tuluksak, AK	90	74	58	42 700	7	—	58	42	11	7	7	8.4	3.2
Tuntutuliak, AK	76	70	58	50 000	7	78	56	40	10	9	6	69.8	26.9
Tununak, AK	92	78	59	61 800	13	163	57	42	6	15	15	11.0	4.3
Twin Hills, AK	35	25	20	20 100	3	113	15	11	1	8	8	80.2	31.0
Tyonek, AK	92	55	35	33 500	15	113	40	13	12	10	9	57.7	22.3
Ugashik, AK	20	4	3	78 800	—	—	3	1	—	—	—	227.9	88.0
Ukivok, AK	18	—	—	—	—	—	—	—	—	—	—	10.4	4.0
Unalakleet, AK	240	207	120	70 500	38	359	128	77	28	30	27	7.5	2.9
Unalaska, AK	675	575	53	118 100	16	643	48	22	17	21	14	30.3	11.7
Venetie, AK	64	50	39	24 800	4	50	36	17	14	7	7	34.3	13.2
Wainwright, AK	160	133	90	78 200	27	334	93	64	17	24	19	10.6	4.1
Wales, AK	66	49	26	31 800	14	170	32	14	9	8	7	6.3	2.4
White Mountain, AK	69	58	33	37 900	18	86	33	16	7	18	16	6.6	2.6
Wiseman, AK	37	11	—	—	—	—	—	—	—	—	—	210.2	81.1
Yakutat, AK	189	175	58	74 500	33	387	60	32	18	31	25	7.6	2.9
ALASKA NATIVE REGIONAL CORPORATION													
Ahtna	2 714	1 161	134	59 000	54	231	127	63	36	61	52	74 003.2	28 572.7
Aleut	2 742	2 378	489	90 200	113	434	459	311	87	143	107	28 845.7	11 137.3
Arctic Slope	2 154	1 673	581	82 300	443	420	809	463	214	215	175	214 848.0	82 952.9
Bering Straits	3 684	2 371	986	54 900	495	482	1 161	638	294	320	280	59 602.5	23 012.6
Bristol Bay	3 204	2 110	964	82 300	303	377	993	686	204	274	228	103 862.4	40 101.3
Colisto	6 228	4 973	2 666	62 800	1 122	322	3 097	2 030	691	691	586	143 477.1	55 396.6
Chugach	4 860	3 861	267	83 800	131	380	289	187	71	109	89	37 960.5	14 656.6
Cook Inlet	132 266	108 849	2 066	90 400	3 099	459	3 465	1 833	1 312	1 700	1 214	97 002.6	37 452.7
Doyon	39 783	31 271	1 724	51 300	1 313	364	2 048	976	740	989	822	515 427.9	199 006.9
Kaniq	4 890	4 083	428	94 600	219	483	450	289	106	197	152	18 534.7	7 156.2
NANA	1 998	1 526	752	68 900	384	565	932	530	255	204	169	92 883.8	35 862.5
Sealaska	27 556	24 210	1 670	85 800	1 554	434	2 321	1 394	675	903	679	90 485.2	34 936.4

Table 13. General, Family, and Fertility Characteristics: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District	The State	One Representative at Large
URBAN, RURAL, AND FARM RESIDENCE		
All persons -----	550 043	550 043
Urban -----	370 863	370 863
Inside urbanized area -----	221 745	221 745
Outside urbanized area -----	149 118	149 118
Rural -----	179 180	179 180
Farm -----	1 160	1 160
ANCESTRY		
All persons -----	550 043	550 043
Ancestry specified -----	503 133	503 133
Single ancestry -----	332 925	332 925
Multiple ancestry -----	170 208	170 208
Ancestry unclassified or not reported -----	46 910	46 910
Total ancestries reported -----	673 341	673 341
Arab -----	541	541
Austrian -----	1 695	1 695
Belgian -----	672	672
Canadian -----	1 457	1 457
Czech -----	3 712	3 712
Danish -----	5 993	5 993
Dutch -----	14 365	14 365
English -----	76 600	76 600
Finnish -----	3 773	3 773
French (except Basque) -----	23 856	23 856
French Canadian -----	6 187	6 187
German -----	127 180	127 180
Greek -----	1 665	1 665
Hungarian -----	2 200	2 200
Irish -----	74 429	74 429
Italian -----	14 591	14 591
Lithuanian -----	1 267	1 267
Norwegian -----	23 087	23 087
Polish -----	12 294	12 294
Portuguese -----	1 628	1 628
Romanian -----	549	549
Russian -----	6 032	6 032
Scotch-Irish -----	12 850	12 850
Scottish -----	16 996	16 996
Slovak -----	1 895	1 895
Subsaharan African -----	493	493
Swedish -----	17 716	17 716
Swiss -----	2 902	2 902
Ukrainian -----	962	962
United States or American -----	23 000	23 000
Welsh -----	5 774	5 774
West Indian (excluding Hispanic origin groups) -----	568	568
Yugoslavian -----	1 745	1 745
Other ancestries -----	184 667	184 667
NATIVITY AND CITIZENSHIP		
Persons under 18 years -----	171 688	171 688
Citizen -----	170 521	170 521
Native -----	169 902	169 902
Foreign born, naturalized citizen -----	619	619
Foreign born, not a citizen -----	1 167	1 167
Persons 18 years and over -----	378 355	378 355
Citizen -----	368 073	368 073
Native -----	355 327	355 327
Foreign born, naturalized citizen -----	12 746	12 746
Foreign born, not a citizen -----	10 282	10 282
FAMILY TYPE BY PRESENCE OF OWN CHILDREN		
Families -----	134 806	134 806
With own children under 18 years -----	83 203	83 203
Number of own children under 18 years -----	159 205	159 205
Married-couple families -----	109 100	109 100
With own children under 18 years -----	65 058	65 058
Number of own children under 18 years -----	129 210	129 210
Female householder, no husband present -----	17 565	17 565
With own children under 18 years -----	13 321	13 321
Number of own children under 18 years -----	22 374	22 374
MARITAL STATUS		
Males 15 years and over -----	212 645	212 645
Never married -----	66 109	66 109
Now married, except separated -----	118 591	118 591
Separated -----	3 763	3 763
Widowed -----	2 383	2 383
Divorced -----	21 799	21 799
Females 15 years and over -----	188 251	188 251
Never married -----	39 689	39 689
Now married, except separated -----	112 793	112 793
Separated -----	4 131	4 131
Widowed -----	9 502	9 502
Divorced -----	22 136	22 136
FERTILITY		
Children ever born per 1,000 women 15 to 24 years -----	410	410
Children ever born per 1,000 women 25 to 34 years -----	1 516	1 516
Children ever born per 1,000 women 35 to 44 years -----	1 968	1 968

Table 14. Social Characteristics: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District	The State	One Representative at Large
PLACE OF BIRTH		
All persons	550 043	550 043
Native	525 229	525 229
Born in State of residence	186 887	186 887
Born in a different State	329 342	329 342
Born abroad	9 000	9 000
Foreign born	24 814	24 814
Naturalized citizen	13 365	13 365
Not a citizen	11 449	11 449
LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH		
Persons 5 years and over	495 425	495 425
Speak a language other than English	60 165	60 165
Do not speak English "very well"	22 480	22 480
Linguistically isolated	8 993	8 993
Speak Spanish	10 020	10 020
Do not speak English "very well"	3 234	3 234
Linguistically isolated	954	954
Speak an Asian or Pacific Island language	12 690	12 690
Do not speak English "very well"	6 447	6 447
Linguistically isolated	2 903	2 903
Linguistically isolated households	4 013	4 013
SCHOOL ENROLLMENT AND TYPE OF SCHOOL		
Persons 3 years and over enrolled in school	156 357	156 357
Preprimary school	14 026	14 026
Public school	10 101	10 101
Elementary or high school	103 827	103 827
Public school	98 866	98 866
College	38 504	38 504
Public college	32 966	32 966
EDUCATIONAL ATTAINMENT		
Persons 25 years and over	323 429	323 429
Less than 9th grade	16 621	16 621
9th to 12th grade, no diploma	26 623	26 623
High school graduate (includes equivalency)	92 925	92 925
Some college, no degree	89 319	89 319
Associate degree	23 444	23 444
Bachelor's degree	48 617	48 617
Graduate or professional degree	25 880	25 880
Percent high school graduate or higher	86.6	86.6
Percent bachelor's degree or higher	23.0	23.0
RESIDENCE IN 1985		
Persons 5 years and over	495 425	495 425
Same house	201 264	201 264
Different house in the United States	283 262	283 262
Same county	137 026	137 026
Different county	146 236	146 236
Same State	40 631	40 631
Different State	105 605	105 605
Northeast	7 264	7 264
Midwest	16 812	16 812
South	32 276	32 276
West	49 253	49 253
Puerto Rico	214	214
U.S. outlying area	245	245
Elsewhere	10 440	10 440
MEANS OF TRANSPORTATION TO WORK AND TRAVEL TIME TO WORK		
Workers 16 years and over	263 761	263 761
Car, truck, or van	205 296	205 296
Drive alone	164 969	164 969
Carpooled	40 327	40 327
Public transportation	6 453	6 453
Walked	26 927	26 927
Other means	14 039	14 039
Worked at home	11 046	11 046
Mean travel time to work (minutes)	16.7	16.7
VETERAN STATUS AND PERIOD OF SERVICE		
Civilian veterans 16 years and over	68 252	68 252
May 1975 or later service only	13 202	13 202
September 1980 or later service only	7 310	7 310
Served 2 or more years	6 462	6 462
Vietnam era, no Korean conflict	29 349	29 349
Vietnam era and Korean conflict	1 695	1 695
February 1955 to July 1964 only	7 683	7 683
Korean conflict, no World War II	6 646	6 646
Korean conflict and World War II	815	815
World War II, no Korean conflict	8 598	8 598
World War I	10	10
Other service	254	254
DISABILITY		
Civilian noninstitutionalized persons 16 to 64 years	342 893	342 893
With a mobility or self-care limitation	8 572	8 572
With a mobility limitation	4 396	4 396
In labor force	1 541	1 541
With a self-care limitation	6 027	6 027
With a work disability	22 740	22 740
In labor force	12 203	12 203
Prevented from working	7 928	7 928
No work disability	320 153	320 153
In labor force	253 624	253 624
Civilian noninstitutionalized persons 65 years and over	21 116	21 116
With a mobility or self-care limitation	3 314	3 314
With a mobility limitation	2 741	2 741
With a self-care limitation	1 912	1 912

Table 15. **Labor Force Characteristics: 1990**

[Data based on a sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District	The State	One Representative of Large
LABOR FORCE STATUS		
Persons 16 years and over -----	393 394	393 394
In labor force -----	293 957	293 957
Civilian labor force -----	268 966	268 966
Employed -----	245 379	245 379
Unemployed -----	23 587	23 587
Females 16 years and over -----	184 725	184 725
In labor force -----	122 695	122 695
Civilian labor force -----	119 807	119 807
Employed -----	111 082	111 082
Unemployed -----	8 725	8 725
With own children under 6 years -----	43 621	43 621
In labor force -----	25 410	25 410
With own children 6 to 17 years only -----	37 101	37 101
In labor force -----	28 615	28 615
Own children under 6 years in families and subfamilies living with two parents -----	49 967	49 967
Bath parents in labor force -----	26 237	26 237
Own children under 6 years in families and subfamilies living with one parent -----	13 967	13 967
Parent in labor force -----	8 663	8 663
Own children 6 to 17 years in families and subfamilies living with two parents -----	79 941	79 941
Bath parents in labor force -----	52 767	52 767
Own children 6 to 17 years in families and subfamilies living with one parent -----	20 715	20 715
Parent in labor force -----	15 332	15 332
Persons 16 to 19 years -----	29 494	29 494
Not enrolled in school -----	8 353	8 353
Unemployed or not in labor force -----	3 378	3 378
Not high school graduate -----	3 213	3 213
Employed -----	1 257	1 257
Unemployed -----	616	616
Not in labor force -----	1 252	1 252
CLASS OF WORKER		
Employed persons 16 years and over -----	245 379	245 379
Private wage and salary workers -----	151 785	151 785
Local government workers -----	24 098	24 098
State government workers -----	25 225	25 225
Federal government workers -----	23 365	23 365
Self-employed workers -----	20 058	20 058
Unpaid family workers -----	848	848
OCCUPATION		
Employed persons 16 years and over -----	245 379	245 379
Managerial and professional specialty occupations -----	73 521	73 521
Executive, administrative, and managerial occupations -----	33 855	33 855
Professional specialty occupations -----	39 666	39 666
Technical, sales, and administrative support occupations -----	75 394	75 394
Technicians and related support occupations -----	10 606	10 606
Sales occupations -----	23 857	23 857
Administrative support occupations, including clerical -----	40 931	40 931
Service occupations -----	35 325	35 325
Private household occupations -----	696	696
Protective service occupations -----	4 817	4 817
Service occupations, except protective and household -----	29 812	29 812
Farming, forestry, and fishing occupations -----	6 665	6 665
Precision production, craft, and repair occupations -----	27 435	27 435
Operators, fabricators, and laborers -----	27 039	27 039
Machine operators, assemblers, and inspectors -----	6 978	6 978
Transportation and material moving occupations -----	10 399	10 399
Handlers, equipment cleaners, helpers, and laborers -----	9 662	9 662
INDUSTRY		
Employed persons 16 years and over -----	245 379	245 379
Agriculture, forestry, fisheries, and mining -----	17 586	17 586
Construction -----	16 184	16 184
Manufacturing -----	14 575	14 575
Nondurable goods -----	8 382	8 382
Durable goods -----	6 193	6 193
Transportation -----	18 648	18 648
Communications and other public utilities -----	7 684	7 684
Wholesale trade -----	7 427	7 427
Retail trade -----	39 619	39 619
Finance, insurance, and real estate -----	11 186	11 186
Business and repair services -----	10 147	10 147
Personal, entertainment, and recreation services -----	10 981	10 981
Professional and related services -----	60 956	60 956
Health services -----	15 772	15 772
Educational services -----	24 961	24 961
Other professional and related services -----	20 223	20 223
Public administration -----	30 386	30 386
WORK STATUS IN 1989		
Persons 16 years and over who worked in 1989 -----	326 486	326 486
Usually worked 35 or more hours per week -----	268 521	268 521
50 to 52 weeks -----	153 074	153 074
40 to 49 weeks -----	36 497	36 497
27 to 39 weeks -----	25 498	25 498
Usually worked 1 to 34 hours per week, 40 to 52 weeks -----	22 387	22 387
WORKERS IN FAMILY IN 1989		
No workers -----	7 481	7 481
Mean family income (dollars) -----	19 970	19 970
1 worker -----	35 922	35 922
Mean family income (dollars) -----	39 670	39 670
2 or more workers -----	91 403	91 403
Mean family income (dollars) -----	62 717	62 717

Table 16. **Income and Poverty Status in 1989: 1990**

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District	The State	One Representative of Large
INCOME IN 1989		
Households	189 700	189 700
Less than \$5,000	6 631	6 631
\$5,000 to \$9,999	9 152	9 152
\$10,000 to \$14,999	12 128	12 128
\$15,000 to \$24,999	25 139	25 139
\$25,000 to \$34,999	25 873	25 873
\$35,000 to \$49,999	35 122	35 122
\$50,000 to \$74,999	40 419	40 419
\$75,000 to \$99,999	20 626	20 626
\$100,000 or more	14 610	14 610
Median (dollars)	41 408	41 408
Mean (dollars)	49 587	49 587
Families	134 806	134 806
Less than \$5,000	3 501	3 501
\$5,000 to \$9,999	4 467	4 467
\$10,000 to \$14,999	7 422	7 422
\$15,000 to \$24,999	15 740	15 740
\$25,000 to \$34,999	17 052	17 052
\$35,000 to \$49,999	24 767	24 767
\$50,000 to \$74,999	32 108	32 108
\$75,000 to \$99,999	17 449	17 449
\$100,000 or more	12 300	12 300
Median (dollars)	46 581	46 581
Mean (dollars)	54 203	54 203
Nonfamily households	54 894	54 894
Median (dollars)	28 602	28 602
Mean (dollars)	35 277	35 277
Per capita income (dollars)	17 610	17 610
Per capita income, noninstitutionalized persons (dollars)	17 705	17 705
INCOME TYPE IN 1989		
Households	189 700	189 700
With earnings	175 159	175 159
Mean earnings (dollars)	46 924	46 924
With Social Security income	20 371	20 371
Mean Social Security income (dollars)	7 210	7 210
With public assistance income	15 043	15 043
Mean public assistance income (dollars)	4 934	4 934
With retirement income	24 232	24 232
Mean retirement income (dollars)	12 672	12 672
MEAN FAMILY INCOME IN 1989 BY FAMILY TYPE		
Families (dollars)	54 203	54 203
With own children under 18 years (dollars)	50 462	50 462
No own children under 18 years (dollars)	60 236	60 236
Married-couple families (dollars)	59 696	59 696
With own children under 18 years (dollars)	57 505	57 505
No own children under 18 years (dollars)	62 933	62 933
Female householder, no husband present (dollars)	26 093	26 093
With own children under 18 years (dollars)	21 516	21 516
No own children under 18 years (dollars)	40 462	40 462
POVERTY STATUS IN 1989		
All Income Levels in 1989		
Families	134 806	134 806
With related children under 18 years	86 728	86 728
With related children under 5 years	41 802	41 802
Married-couple families	109 100	109 100
With related children under 18 years	66 917	66 917
With related children under 5 years	33 240	33 240
Female householder, no husband present	17 565	17 565
With related children under 18 years	14 441	14 441
With related children under 5 years	6 147	6 147
Unrelated individuals for whom poverty status is determined	86 160	86 160
Nonfamily householder	54 894	54 894
Persons 65 years and over	6 563	6 563
Persons for whom poverty status is determined	532 474	532 474
Persons under 18 years	168 473	168 473
Persons under 5 years	53 760	53 760
Related children under 18 years	167 172	167 172
Related children 5 to 17 years	113 412	113 412
Persons 65 years and over	21 112	21 112
Persons 75 years and over	5 952	5 952
Income in 1989 Below Poverty Level		
Families	9 198	9 198
Percent below poverty level	6.8	6.8
With related children under 18 years	7 935	7 935
With related children under 5 years	5 084	5 084
Married-couple families	4 018	4 018
With related children under 18 years	3 127	3 127
With related children under 5 years	2 167	2 167
Female householder, no husband present	4 238	4 238
With related children under 18 years	4 050	4 050
With related children under 5 years	2 397	2 397
Unrelated individuals for whom poverty status is determined	14 159	14 159
Nonfamily householder	5 942	5 942
Persons 65 years and over	807	807
Persons for whom poverty status is determined	47 906	47 906
Percent below poverty level	9.0	9.0
Persons under 18 years	19 284	19 284
Persons under 5 years	7 332	7 332
Related children under 18 years	18 219	18 219
Related children 5 to 17 years	10 887	10 887
Persons 65 years and over	1 606	1 606
Persons 75 years and over	630	630
Ratio Of Income In 1989 To Poverty Level		
Persons below 50 percent of poverty level	20 858	20 858
Persons below 125 percent of poverty level	66 558	66 558
Persons below 200 percent of poverty level	126 605	126 605

Table 17. Selected Characteristics of Persons by Race and Hispanic Origin: 1990

[Data based on a sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District	Alaska					One Representative at Large				
	Race				Hispanic origin (of any race)	Race				Hispanic origin (of any race)
	White	Black	American Indian, Eskimo, or Aleut	Asian or Pacific Islander		White	Black	American Indian, Eskimo, or Aleut	Asian or Pacific Islander	
SEX AND AGE										
All persons	416 133	22 195	86 125	19 354	17 904	416 133	22 195	86 125	19 354	17 904
Male.....	221 646	12 271	43 270	9 174	9 472	221 646	12 271	43 270	9 174	9 472
Female.....	194 487	9 924	42 855	10 180	8 432	194 487	9 924	42 855	10 180	8 432
Under 5 years.....	37 762	2 733	11 687	1 917	2 419	37 762	2 733	11 687	1 917	2 419
5 to 9 years.....	36 743	2 170	10 361	1 832	1 980	36 743	2 170	10 361	1 832	1 980
10 to 14 years.....	31 053	1 897	8 020	1 533	1 535	31 053	1 897	8 020	1 533	1 535
15 to 19 years.....	26 422	1 645	7 155	1 247	1 473	26 422	1 645	7 155	1 247	1 473
20 to 24 years.....	28 694	2 658	6 953	1 402	1 672	28 694	2 658	6 953	1 402	1 672
25 to 34 years.....	86 982	5 201	15 507	3 968	4 094	86 982	5 201	15 507	3 968	4 094
35 to 44 years.....	83 468	3 133	10 992	3 878	2 715	83 468	3 133	10 992	3 878	2 715
45 to 54 years.....	45 729	1 331	6 662	1 809	1 288	45 729	1 331	6 662	1 809	1 288
55 to 64 years.....	22 561	823	4 768	986	484	22 561	823	4 768	986	484
65 to 74 years.....	11 829	442	2 542	594	192	11 829	442	2 542	594	192
75 to 84 years.....	4 112	162	1 194	140	36	4 112	162	1 194	140	36
85 years and over.....	778	—	284	48	16	778	—	284	48	16
3 and 4 years.....	15 458	971	4 408	750	1 003	15 458	971	4 408	750	1 003
16 years and over.....	305 170	15 116	54 614	13 779	11 684	305 170	15 116	54 614	13 779	11 684
18 years and over.....	294 497	14 471	51 584	13 269	11 162	294 497	14 471	51 584	13 269	11 162
21 years and over.....	278 218	13 171	47 622	12 523	10 127	278 218	13 171	47 622	12 523	10 127
60 years and over.....	26 619	935	5 980	1 257	431	26 619	935	5 980	1 257	431
62 years and over.....	22 422	815	5 071	1 045	348	22 422	815	5 071	1 045	348
Median age.....	30.9	25.0	24.2	29.5	24.6	30.9	25.0	24.2	29.5	24.6
FAMILY TYPE BY PRESENCE OF OWN CHILDREN										
Families	107 661	5 418	16 505	3 805	3 393	107 661	5 418	16 505	3 805	3 393
With own children under 18 years.....	64 787	3 814	11 025	2 594	2 283	64 787	3 814	11 025	2 594	2 283
Married-couple families	91 277	3 956	9 767	2 976	2 630	91 277	3 956	9 767	2 976	2 630
With own children under 18 years.....	52 962	2 631	6 612	2 066	1 773	52 962	2 631	6 612	2 066	1 773
Female householder, no husband present	11 018	1 120	4 677	558	475	11 018	1 120	4 677	558	475
With own children under 18 years.....	8 539	958	3 270	400	368	8 539	958	3 270	400	368
SCHOOL ENROLLMENT AND TYPE OF SCHOOL										
Persons 3 years and over enrolled in school	114 412	7 028	27 297	5 764	5 916	114 412	7 028	27 297	5 764	5 916
Preprimary.....	9 403	574	3 505	456	562	9 403	574	3 505	456	562
Elementary or high school.....	73 864	4 425	20 552	3 874	3 819	73 864	4 425	20 552	3 874	3 819
College.....	31 145	2 029	3 240	1 434	1 535	31 145	2 029	3 240	1 434	1 535
EDUCATIONAL ATTAINMENT										
Persons 25 years and over	255 459	11 092	41 949	11 423	8 825	255 459	11 092	41 949	11 423	8 825
Less than 9th grade.....	5 239	403	9 137	1 495	689	5 239	403	9 137	1 495	689
9th to 12th grade, no diploma.....	17 564	907	6 359	1 316	1 039	17 564	907	6 359	1 316	1 039
High school graduate (includes equivalency).....	70 461	3 129	15 278	3 112	2 307	70 461	3 129	15 278	3 112	2 307
Some college, no degree.....	74 090	4 067	7 668	2 494	2 706	74 090	4 067	7 668	2 494	2 706
Associate degree.....	19 656	1 021	1 785	668	799	19 656	1 021	1 785	668	799
Bachelor's degree.....	44 154	1 087	1 240	1 816	918	44 154	1 087	1 240	1 816	918
Graduate or professional degree.....	24 295	478	482	522	367	24 295	478	482	522	367
Percent high school graduate or higher.....	91.1	88.2	63.1	75.4	80.4	91.1	88.2	63.1	75.4	80.4
Percent bachelor's degree or higher.....	26.8	14.1	4.1	20.5	14.6	26.8	14.1	4.1	20.5	14.6
LABOR FORCE STATUS										
Persons 16 years and over	305 170	15 116	54 614	13 779	11 684	305 170	15 116	54 614	13 779	11 684
In labor force.....	236 527	12 195	30 615	10 806	9 176	236 527	12 195	30 615	10 806	9 176
Civilian labor force.....	216 980	8 260	30 162	10 315	7 942	216 980	8 260	30 162	10 315	7 942
Employed.....	201 757	7 337	23 506	9 815	7 141	201 757	7 337	23 506	9 815	7 141
Unemployed.....	15 223	923	6 656	500	801	15 223	923	6 656	500	801
Not in labor force.....	68 643	2 921	23 999	2 973	2 508	68 643	2 921	23 999	2 973	2 508
Females 16 years and over	141 247	6 490	27 494	7 457	5 473	141 247	6 490	27 494	7 457	5 473
In labor force.....	97 000	4 762	14 154	5 329	3 869	97 000	4 762	14 154	5 329	3 869
Civilian labor force.....	94 860	4 178	14 111	5 283	3 639	94 860	4 178	14 111	5 283	3 639
Employed.....	89 210	3 720	11 844	5 028	3 350	89 210	3 720	11 844	5 028	3 350
Unemployed.....	5 650	458	2 267	255	289	5 650	458	2 267	255	289
Not in labor force.....	44 247	1 728	13 340	2 128	1 604	44 247	1 728	13 340	2 128	1 604
Persons 16 to 19 years	21 017	1 366	5 712	954	1 187	21 017	1 366	5 712	954	1 187
Not enrolled in school.....	5 698	447	1 851	176	419	5 698	447	1 851	176	419
Unemployed or not in labor force.....	1 936	100	1 214	60	161	1 936	100	1 214	60	161
Not high school graduate.....	2 150	78	827	74	184	2 150	78	827	74	184
Employed.....	966	51	179	27	75	966	51	179	27	75
Unemployed.....	399	—	199	10	20	399	—	199	10	20
Not in labor force.....	706	19	448	37	89	706	19	448	37	89
INCOME AND POVERTY STATUS IN 1989										
Households	153 372	7 099	22 325	4 900	4 940	153 372	7 099	22 325	4 900	4 940
Less than \$5,000.....	3 954	268	2 149	169	219	3 954	268	2 149	169	219
\$5,000 to \$9,999.....	9 067	323	2 457	203	284	9 067	323	2 457	203	284
\$10,000 to \$14,999.....	7 839	660	2 963	443	382	7 839	660	2 963	443	382
\$15,000 to \$24,999.....	18 451	1 504	3 899	901	966	18 451	1 504	3 899	901	966
\$25,000 to \$34,999.....	20 549	1 229	3 027	730	810	20 549	1 229	3 027	730	810
\$35,000 to \$49,999.....	29 315	1 412	3 077	926	944	29 315	1 412	3 077	926	944
\$50,000 to \$74,999.....	35 264	1 080	2 931	853	806	35 264	1 080	2 931	853	806
\$75,000 to \$99,999.....	18 589	376	1 139	415	303	18 589	376	1 139	415	303
\$100,000 or more.....	13 344	247	683	260	226	13 344	247	683	260	226
Mean income (dollars).....	52 935	37 755	32 934	42 757	40 274	52 935	37 755	32 934	42 757	40 274
Per capita income (dollars).....	19 903	12 816	9 140	13 113	11 885	19 903	12 816	9 140	13 113	11 885

Table 17. **Selected Characteristics of Persons by Race and Hispanic Origin: 1990—Con.**

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District	Alaska					One Representative at Large				
	Race				Hispanic origin (of any race)	Race				Hispanic origin (of any race)
	White	Black	American Indian, Eskima, or Aleut	Asian or Pacific Islander		White	Black	American Indian, Eskima, or Aleut	Asian or Pacific Islander	
INCOME AND POVERTY STATUS IN 1989—Con.										
All income levels in 1989										
Families	107 661	5 418	16 505	3 805	3 393	107 661	5 418	16 505	3 805	3 393
With related children under 18 years.....	66 477	3 953	12 530	2 714	2 402	66 477	3 953	12 530	2 714	2 402
With related children under 5 years.....	30 810	2 073	6 999	1 331	1 269	30 810	2 073	6 999	1 331	1 269
Married-couple families	91 277	3 956	9 767	2 976	2 630	91 277	3 956	9 767	2 976	2 630
With related children under 18 years.....	53 956	2 681	7 325	2 130	1 837	53 956	2 681	7 325	2 130	1 837
With related children under 5 years.....	25 980	1 507	4 194	1 094	975	25 980	1 507	4 194	1 094	975
Female householder, no husband present	11 018	1 120	4 677	558	475	11 018	1 120	4 677	558	475
With related children under 18 years.....	9 007	1 004	3 830	429	405	9 007	1 004	3 830	429	405
With related children under 5 years.....	3 447	434	2 006	151	232	3 447	434	2 006	151	232
Persons for whom poverty status is determined..	404 271	19 868	83 421	19 002	17 117	404 271	19 868	83 421	19 002	17 117
Persons under 18 years	119 681	7 507	33 562	6 027	6 643	119 681	7 507	33 562	6 027	6 643
Persons under 5 years	37 275	2 660	11 400	1 909	2 391	37 275	2 660	11 400	1 909	2 391
Persons 65 years and over	15 933	589	3 794	762	244	15 933	589	3 794	762	244
Persons 75 years and over	4 270	147	1 349	172	52	4 270	147	1 349	172	52
Income in 1989 Below Poverty Level										
Families	4 848	478	3 545	228	271	4 848	478	3 545	228	271
With related children under 18 years.....	4 014	452	3 188	192	241	4 014	452	3 188	192	241
With related children under 5 years.....	2 441	302	2 141	124	174	2 441	302	2 141	124	174
Married-couple families	2 270	130	1 428	158	106	2 270	130	1 428	158	106
With related children under 18 years.....	1 576	128	1 265	134	78	1 576	128	1 265	134	78
With related children under 5 years.....	1 040	88	932	83	60	1 040	88	932	83	60
Female householder, no husband present	2 267	259	1 596	55	138	2 267	259	1 596	55	138
With related children under 18 years.....	2 204	243	1 489	55	136	2 204	243	1 489	55	136
With related children under 5 years.....	1 254	154	905	38	105	1 254	154	905	38	105
Persons for whom poverty status is determined..	24 487	2 076	19 250	1 390	2 041	24 487	2 076	19 250	1 390	2 041
Persons under 18 years	8 864	1 086	8 621	500	809	8 864	1 086	8 621	500	809
Persons under 5 years	3 121	465	3 443	217	354	3 121	465	3 443	217	354
Persons 65 years and over	836	35	680	55	31	836	35	680	55	31
Persons 75 years and over	331	15	284	—	9	331	15	284	—	9

Table 18. Selected Social Characteristics: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text.]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	All persons		Persons 5 years and over		Persons who speak a language other than English at home		Persons 18 years and over		Persons 5 to 17 years		Percent living in different house in 1985		Native		Percent foreign born	
	Total	Percent foreign born	Total	Percent born in State of residence	Total	Percent who do not speak English "very well"	Total	Percent who do not speak English "very well"	Total	Percent who do not speak English "very well"	Total	Percent who do not speak English "very well"	Total	Percent born in State of residence	Total	Percent foreign born
The State	550 043	4.5	525 229	35.6	495 425	59.4	49 007	37.5	11 158	36.8	495 425	59.4	525 229	35.6	550 043	4.5
One Representative at Large	550 043	4.5	525 229	35.6	495 425	59.4	49 007	37.5	11 158	36.8	495 425	59.4	525 229	35.6	550 043	4.5
BOROUGH AND CENSUS AREA																
Alutians East Borough	2 464	23.1	1 896	57.5	2 285	67.6	664	63.9	4	—	2 285	67.6	1 896	57.5	2 464	23.1
Alutians West Census Area	9 478	12.1	8 327	16.1	8 686	85.7	1 482	53.6	67	9.0	8 686	85.7	8 327	16.1	9 478	12.1
Anchorage Borough	226 338	5.9	212 979	28.3	205 008	62.5	16 324	39.5	3 619	31.8	205 008	62.5	212 979	28.3	226 338	5.9
Bethel Borough	13 656	9	13 539	86.1	11 791	41.4	5 793	48.7	2 182	60.6	11 791	41.4	13 539	86.1	13 656	9
Bristol Bay Borough	1 410	1.5	1 389	39.0	1 287	67.6	70	15.7	6	—	1 287	67.6	1 389	39.0	1 410	1.5
Oillingham Census Area	4 012	6	3 988	77.3	3 452	41.5	1 193	42.0	317	44.5	3 452	41.5	3 988	77.3	4 012	6
Fairbanks North Star Borough	77 720	3.7	74 824	26.9	69 690	64.2	4 377	30.4	786	27.6	69 690	64.2	74 824	26.9	77 720	3.7
Haines Borough	2 117	2.5	2 064	31.9	1 962	48.8	90	20.0	8	—	1 962	48.8	2 064	31.9	2 117	2.5
Juneau Borough	26 751	4.9	25 453	36.3	24 347	58.2	1 585	34.6	210	3.3	24 347	58.2	25 453	36.3	26 751	4.9
Kenai Peninsula Borough	40 802	2.6	39 726	32.1	37 026	54.9	1 710	30.9	572	57.2	37 026	54.9	39 726	32.1	40 802	2.6
Ketchikan Gateway Borough	13 828	3.6	13 330	36.8	12 600	58.9	605	36.0	78	28.2	12 600	58.9	13 330	36.8	13 828	3.6
Kodiak Island Borough	13 309	9.8	12 005	34.8	11 897	66.0	1 515	43.4	139	19.4	11 897	66.0	12 005	34.8	13 309	9.8
Lake and Peninsula Borough	1 668	2.1	1 633	83.5	1 455	44.3	258	48.1	28	21.4	1 455	44.3	1 633	83.5	1 668	2.1
Nome Census Area	39 683	1.9	38 915	32.5	35 878	53.9	1 301	29.6	274	16.1	35 878	53.9	38 915	32.5	39 683	1.9
Nome Census Area	8 288	1.3	8 181	79.7	7 211	44.7	2 556	24.8	556	22.4	7 211	44.7	8 181	79.7	8 288	1.3
North Slope Borough	5 979	3.7	5 756	76.8	5 149	45.3	1 228	25.5	661	22.4	5 149	45.3	5 756	76.8	5 979	3.7
Northwest Arctic Borough	6 113	1.5	6 084	86.6	5 153	61.1	1 700	35.9	472	35.4	5 153	61.1	6 084	86.6	6 113	1.5
Prince of Wales-Outer Ketchikan Census Area	6 278	1.5	6 182	41.9	5 684	61.1	1 195	18.5	12	16.7	5 684	61.1	6 182	41.9	6 278	1.5
Sitka Borough	8 588	3.8	8 265	39.2	7 816	62.5	467	24.2	66	53.0	7 816	62.5	8 265	39.2	8 588	3.8
Skagway-Yukon-Altai Census Area	4 385	2.3	4 284	48.4	3 993	55.7	324	31.2	27	25.9	3 993	55.7	4 284	48.4	4 385	2.3
Southeast Fairbanks Census Area	5 913	3.0	5 737	30.9	5 312	52.3	566	23.3	87	48.3	5 312	52.3	5 737	30.9	5 913	3.0
Valdez-Cordova Census Area	9 952	3.4	9 609	35.4	9 076	55.8	658	28.0	103	14.6	9 076	55.8	9 609	35.4	9 952	3.4
Wade Hampton Census Area	5 791	1.5	5 763	94.0	4 751	30.3	2 339	37.2	720	35.1	4 751	30.3	5 763	94.0	5 791	1.5
Wrangell-Petersburg Census Area	7 042	1.3	6 951	42.8	6 352	53.9	225	11.1	16	31.3	6 352	53.9	6 951	42.8	7 042	1.3
Yukon-Koyukuk Census Area	8 478	1.5	8 349	64.5	7 554	46.7	1 040	33.7	148	29.7	7 554	46.7	8 349	64.5	8 478	1.5
PLACE																
Anchorage city	226 338	5.9	212 979	28.3	205 008	62.5	16 324	39.5	3 619	31.8	205 008	62.5	212 979	28.3	226 338	5.9
College CDP	11 249	4.5	10 745	31.4	10 299	67.7	2 464	31.9	104	41.3	10 299	67.7	10 745	31.4	11 249	4.5
Fairbanks city	30 843	5.0	29 308	26.6	27 492	71.8	2 486	30.5	486	29.3	27 492	71.8	29 308	26.6	30 843	5.0
Juneau city	26 751	4.9	25 453	36.3	24 347	58.2	1 585	34.6	210	3.3	24 347	58.2	25 453	36.3	26 751	4.9

Table 19. Education and Veteran Status: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	Persons 3 years and over enrolled in school				Persons 16 to 19 years					Persons 25 years and over			Civilian veterans 16 years and over	
	Preprimary school	Elementary or high school		College	Total	Not enrolled in school and not high school graduate				Total	Percent high school graduate or higher	Percent with bachelor's degree or higher	Total	65 years and over
		Total	Percent in private school			Total	Employed	Unem- ployed	Not in labor force					
The State	14 026	103 827	4.8	38 504	29 494	3 213	1 257	616	1 252	323 429	86.6	23.0	68 252	6 793
One Representative at Large	14 026	103 827	4.8	38 504	29 494	3 213	1 257	616	1 252	323 429	86.6	23.0	68 252	6 793
BOROUGH AND CENSUS AREA														
Aleutians East Borough	68	325	1.2	83	119	20	17	—	3	1 531	66.4	12.9	221	16
Aleutians West Census Area	142	914	1.3	580	493	39	9	—	9	5 467	85.8	14.8	908	20
Anchorage Borough	4 714	39 993	5.0	18 650	12 303	1 232	524	247	453	136 655	90.4	26.9	29 618	2 601
Bethel Census Area	527	3 185	.5	444	870	95	12	13	70	6 854	62.3	13.1	883	93
Bristol Bay Borough	42	241	4.6	112	55	2	—	2	—	889	89.8	18.9	198	9
Dillingham Census Area	139	843	.9	137	200	13	2	—	10	2 159	69.8	15.3	263	25
Fairbanks North Star Borough	1 740	14 165	6.4	7 301	4 381	470	159	113	149	43 288	89.8	25.2	9 401	782
Haines Borough	37	411	4.1	70	104	—	—	—	—	1 393	78.5	17.6	338	65
Juneau Borough	917	4 722	4.0	1 999	1 257	216	70	35	111	16 769	89.9	30.7	3 216	341
Kenai Peninsula Borough	1 043	8 518	6.4	2 196	2 250	288	129	60	99	24 423	87.2	17.9	5 335	752
Ketchikan Gateway Borough	330	2 571	8.9	836	679	99	50	8	41	8 551	85.4	20.2	1 831	273
Kodiak Island Borough	409	2 349	7.9	696	650	64	38	2	20	7 788	84.7	21.5	1 359	133
Lake and Peninsula Borough	79	368	3.0	12	87	27	13	—	14	904	60.7	14.4	147	18
Matanuska-Susitna Borough	951	8 882	4.8	2 266	2 026	161	70	38	53	23 440	87.8	18.1	5 891	742
Nome Census Area	367	1 927	.5	279	497	65	19	12	34	4 351	65.0	13.8	713	81
North Slope Borough	368	1 225	.5	250	279	49	7	22	20	3 183	68.5	14.1	466	18
Northwest Arctic Borough	249	1 547	1.0	144	379	55	15	5	35	2 844	63.8	11.9	437	55
Prince of Wales-Outer Ketchikan Census Area	158	1 317	1.4	160	300	46	20	4	22	3 726	77.5	11.4	809	67
Sitka Borough	281	1 660	3.8	597	438	41	26	15	—	5 225	87.0	21.4	1 206	155
Skagway-Yukutat-Angoon Census Area	158	934	5.8	100	198	36	20	10	6	2 655	79.3	15.8	586	71
Southeast Fairbanks Census Area	171	1 332	12.9	446	307	9	1	2	6	3 298	85.9	19.0	833	88
Valdez-Cordova Census Area	223	1 829	2.8	464	508	67	27	14	21	6 282	83.9	18.5	1 423	161
Wade Hampton Census Area	406	1 419	.3	139	387	45	4	7	34	2 494	57.8	10.2	305	25
Wrangell-Petersburg Census Area	201	1 348	.5	227	338	32	18	2	12	4 359	81.0	19.8	922	137
Yukon-Koyukuk Census Area	306	1 802	.9	316	389	42	7	5	30	4 901	73.2	13.8	943	65
PLACE														
Anchorage city	4 714	39 993	5.0	18 650	12 303	1 232	524	247	453	136 655	90.4	26.9	29 618	2 601
College CDP	279	1 914	5.0	2 475	1 021	41	13	10	18	6 100	93.2	38.4	1 215	82
Fairbanks city	727	4 815	7.4	2 214	1 637	244	105	24	66	16 863	86.2	18.3	3 520	420
Juneau city	917	4 722	4.0	1 999	1 257	216	70	35	111	16 769	89.9	30.7	3 216	341

Table 20. Employment Status and Journey to Work Characteristics: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area [10,000 or More Persons]	Persons 16 years and over										Own children under 6 years in families and subfamilies, all parents in household in labor force	
	Labor force				Worked in 1989		Females with own children under 6 years		Total	Percent in labor force		
	Percent in labor force		Civilian labor force	Workers		Total	Worked 40 or more weeks in 1989	Total				
	Total	Female		Percent un- employed	Means of transportation to work							
					Percent using car, truck, or van							Percent in carpools	Percent using public trans- portation
Persons 16 years and over												
The State -----												
One Representative at Large -----												
BOROUGH AND CENSUS AREA												
Aleutians East Borough -----												
Aleutians West Census Area -----												
Anchorage Borough -----												
Bethel Census Area -----												
Bristol Bay Borough -----												
Dillingham Census Area -----												
Fairbanks North Star Borough -----												
Haines Borough -----												
Juneau Borough -----												
Kenai Peninsula Borough -----												
Ketchikan Gateway Borough -----												
Kodiak Island Borough -----												
Lake and Peninsula Borough -----												
Marathona-Sustina Borough -----												
Nome Census Area -----												
North Slope Borough -----												
Northwest Arctic Borough -----												
Prince of Wales-Outer Ketchikan Census Area -----												
Sitka Borough -----												
Skagway-Yukutat-Angoon Census Area -----												
Southeast Fairbanks Census Area -----												
Valdez-Cordova Census Area -----												
Wade Hampton Census Area -----												
Winnipeg-Petersburg Census Area -----												
Yukon-Koyukuk Census Area -----												
PLACE												
Anchorage city -----												
College CDP -----												
Fairbanks city -----												
Juneau city -----												

Table 21. **Disability Status: 1990**

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	Civilian noninstitutionalized persons 16 to 64 years						Civilian noninstitutionalized persons 65 years and over				Percent in labor force of civilian noninstitutionalized persons 16 to 64 years with—				
	Total	Percent with a work disability		Percent with a mobility or self-core limitation			Total	Percent with a mobility or self-core limitation			A work disability	No work disability	A mobility limitation	No mobility limitation	
		Total	Prevented from working	Total	Mobility limitation	Self-core limitation		Total	Total	Mobility limitation					Self-core limitation
The State -----	342 893	6.6	2.3	2.5	1.3	1.8	21 116	15.7	13.0	9.1	53.7	79.2	35.1	78.1	
One Representative at Large -----	342 893	6.6	2.3	2.5	1.3	1.8	21 116	15.7	13.0	9.1	53.7	79.2	35.1	78.1	
BOROUGH AND CENSUS AREA															
Aleutians East Borough -----	1 921	1.8	.7	2.3	.5	2.3	48	2.1	2.1	2.1	42.9	75.9	100.0	75.2	
Aleutians West Census Area -----	4 587	2.0	.9	2.4	1.1	2.1	71	26.8	22.5	16.9	46.2	88.0	70.6	87.4	
Anchorage Borough -----	146 328	6.7	2.0	2.6	1.3	1.8	7 742	17.7	14.5	10.9	57.5	82.5	38.4	81.4	
Bethel Census Area -----	7 893	7.7	3.7	6.4	1.5	5.5	663	27.9	23.5	13.6	34.3	61.6	13.8	60.1	
Bristol Bay Borough -----	763	2.2	1.6	.7	.3	.4	35	31.4	31.4	8.6	29.4	71.8	—	71.1	
Dillingham Census Area -----	2 407	6.7	2.5	2.6	.7	2.2	205	25.9	19.0	19.5	42.6	57.6	16.7	56.9	
Fairbanks North Star Borough -----	44 848	5.7	2.1	2.3	1.4	1.5	2 278	12.4	9.8	7.5	54.7	78.4	39.2	77.6	
Haines Borough -----	1 415	8.2	2.5	2.4	2.3	1.2	168	7.7	7.7	3.6	56.0	77.8	43.8	76.7	
Juneau Borough -----	17 754	5.4	1.5	1.6	1.0	1.1	1 302	11.3	7.9	8.6	67.2	86.1	33.5	85.5	
Kenai Peninsula Borough -----	25 870	8.4	2.7	1.4	1.1	.7	1 951	10.9	10.8	4.1	55.7	74.4	27.2	73.4	
Ketchikan Gateway Borough -----	8 882	6.5	2.5	1.9	1.6	1.2	854	11.7	11.2	6.8	56.0	84.0	47.9	82.7	
Kodiak Island Borough -----	7 990	5.8	2.0	2.0	1.1	1.7	427	15.9	13.1	11.7	56.5	81.6	53.4	80.4	
Lake and Peninsula Borough -----	981	7.0	3.2	3.8	1.2	3.1	91	27.5	22.0	17.6	33.3	55.3	16.7	54.2	
Matanuska-Susitna Borough -----	24 576	8.8	3.9	2.4	1.6	1.3	1 809	10.9	9.6	4.5	45.8	74.2	20.0	72.6	
Nome Census Area -----	4 807	6.6	4.4	2.5	1.4	1.6	388	26.3	20.1	13.1	25.6	69.4	18.8	67.2	
North Slope Borough -----	3 659	5.4	1.9	5.7	1.3	4.8	191	22.5	15.7	16.2	58.4	81.6	38.8	80.9	
Northwest Arctic Borough -----	3 352	5.8	2.9	2.6	1.1	2.1	253	22.1	19.4	13.0	35.8	64.1	13.2	63.0	
Prince of Wales-Outer Ketchikan Census Area -----	4 190	7.3	2.5	1.3	.9	.7	208	13.5	12.0	6.7	49.8	74.2	25.6	72.8	
Sitka Borough -----	5 462	7.4	2.9	2.0	1.1	1.2	419	11.0	8.8	4.8	48.4	86.0	32.2	83.8	
Skagway-Yakutat-Angoon Census Area -----	2 826	6.1	2.3	1.7	.8	1.2	235	14.5	14.5	3.4	55.8	82.3	9.1	81.2	
Southeast Fairbanks Census Area -----	3 288	6.5	2.3	1.1	.9	.4	224	12.1	11.2	2.7	50.0	70.5	30.0	69.5	
Valdez-Cordova Census Area -----	6 638	5.7	2.0	1.4	1.1	.8	447	19.2	12.8	12.5	47.6	80.2	35.2	78.8	
Wade Hampton Census Area -----	3 088	6.5	4.4	3.5	1.2	2.8	258	29.8	23.6	15.1	21.3	62.3	10.5	60.3	
Wrangell-Petersburg Census Area -----	4 474	7.3	2.4	1.0	.7	.4	484	7.9	6.8	3.7	58.9	80.2	68.8	78.7	
Yukon-Koyukuk Census Area -----	4 894	5.5	2.6	10.7	1.2	10.1	365	26.0	18.9	18.9	37.2	64.6	20.0	63.7	
PLACE															
Anchorage city -----	146 328	6.7	2.0	2.6	1.3	1.8	7 742	17.7	14.5	10.9	57.5	82.5	38.4	81.4	
College CDP -----	8 086	3.4	1.4	1.4	.7	.9	200	18.5	18.5	9.0	46.1	75.0	13.0	74.4	
Fairbanks city -----	16 258	6.5	2.6	3.6	2.2	2.3	1 351	12.0	9.2	8.1	58.2	79.5	50.4	78.8	
Juneau city -----	17 754	5.4	1.5	1.6	1.0	1.1	1 302	11.3	7.9	8.6	67.2	86.1	33.5	85.5	

Table 22. **Income and Poverty Status in 1989: 1990**

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	Per capito income in 1989 (dollars)	Medion income in 1989 (dollors)			Persons for whom poverty status is determined										Families with income in 1989 below poverty level	
		House- holds	Families	Non- family house- holds	Total	Income in 1989 below poverty level										
						All ages		Reloted children				Persons 65 years and aver				
								Under 18 years		5 to 17 years						
						Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
The State -----	17 610	41 408	46 581	28 602	532 474	47 906	9.0	18 219	10.9	10 887	9.6	1 606	7.6	9 198	6.8	
One Representative of Large -----	17 610	41 408	46 581	28 602	532 474	47 906	9.0	18 219	10.9	10 887	9.6	1 606	7.6	9 198	6.8	
BOROUGH AND CENSUS AREA																
Aleutians East Borough -----	17 242	42 384	47 188	30 769	2 459	292	11.9	50	9.5	23	6.6	7	14.6	29	7.6	
Aleutians West Census Area -----	15 035	35 187	34 020	36 250	7 393	662	9.0	105	5.6	68	6.2	4	5.6	40	2.8	
Anchorage Borough -----	19 620	43 946	50 098	30 237	220 789	15 614	7.1	5 737	8.9	3 331	7.7	382	4.9	3 116	5.4	
Bethel Census Area -----	8 833	25 402	25 570	20 707	13 396	4 022	30.0	1 737	33.4	1 051	31.3	175	26.4	727	26.2	
Bristol Bay Borough -----	19 123	51 112	57 100	31 154	1 146	59	5.1	14	3.8	7	2.9	6	17.1	11	3.9	
Oillingham Census Area -----	12 782	28 779	30 365	19 625	4 005	984	24.6	436	29.3	236	25.4	51	24.9	201	21.6	
Fairbanks North Star Borough -----	15 914	37 468	41 729	26 574	73 506	5 574	7.6	1 989	8.4	1 104	7.0	204	9.0	1 110	5.8	
Haines Borough -----	16 204	36 048	44 141	24 702	2 041	187	9.2	64	11.9	43	10.8	13	7.7	40	7.4	
Juneau Borough -----	19 920	47 924	54 088	31 896	26 247	1 468	5.6	524	6.9	267	5.1	51	3.9	250	3.7	
Kenai Peninsula Borough -----	18 173	42 403	48 339	26 441	39 725	3 076	7.7	1 201	9.2	784	8.4	129	6.6	640	6.2	
Ketchikan Gateway Borough -----	18 789	45 172	51 716	29 333	13 485	566	4.2	131	3.3	82	2.9	37	4.3	81	2.4	
Kodiak Island Borough -----	19 979	44 815	47 600	28 893	12 753	703	5.5	203	5.1	87	3.3	50	11.8	111	3.7	
Lake and Peninsula Borough -----	11 560	25 231	26 630	13 281	1 650	330	20.0	131	21.0	89	21.7	14	15.4	65	16.8	
Matanuska-Susitna Borough -----	15 898	40 745	45 252	23 510	38 996	3 661	9.4	1 336	10.0	947	9.8	125	6.9	772	7.5	
Nome Census Area -----	10 701	30 144	29 795	23 672	8 083	1 809	22.4	755	24.4	474	23.4	60	15.5	337	19.0	
North Slope Borough -----	18 231	50 473	53 167	40 000	5 843	506	8.7	210	9.7	101	7.3	27	14.1	101	8.2	
Northwest Arctic Borough -----	10 040	33 313	33 318	25 893	6 038	1 115	18.5	559	21.4	323	19.6	42	16.6	205	17.1	
Prince of Wales-Outer Ketchikan Census Area -----	15 510	39 495	42 857	24 559	6 246	570	9.1	219	11.0	149	10.5	24	11.5	120	8.0	
Sitka Borough -----	16 962	43 337	49 327	30 660	8 256	398	4.8	109	4.3	60	3.4	—	—	59	2.8	
Skogway-Yakutat-Angoon Census Area -----	15 463	38 583	43 693	25 350	4 374	390	8.9	154	10.8	102	9.9	17	7.2	63	6.3	
Southeast Fairbanks Census Area -----	12 505	30 222	32 121	18 641	5 689	807	14.2	316	15.7	243	16.9	22	9.8	159	10.6	
Voldez-Cordova Census Area -----	22 772	47 500	52 929	32 674	9 700	865	8.9	260	9.4	156	8.1	29	6.5	156	6.7	
Wode Hampton Census Area -----	6 519	20 586	22 215	11 071	5 787	1 794	31.0	932	35.5	519	32.7	47	18.2	315	28.6	
Wrangell-Petersburg Census Area -----	19 012	42 020	49 083	27 446	6 962	395	5.7	179	8.3	95	6.5	12	2.5	73	4.2	
Yukon-Koyukuk Census Area -----	11 554	23 945	27 432	13 571	7 905	2 059	26.0	868	30.2	546	27.6	78	21.4	417	22.0	
PLACE																
Anchorage city -----	19 620	43 946	50 098	30 237	220 789	15 614	7.1	5 737	8.9	3 331	7.7	382	4.9	3 116	5.4	
College COP -----	17 554	43 329	49 518	28 125	10 171	984	9.7	338	10.9	187	8.7	—	—	200	7.6	
Fairbanks city -----	14 665	32 033	33 968	25 010	28 515	2 963	10.4	1 105	12.6	527	9.7	134	9.9	605	8.1	
Juneau city -----	19 920	47 924	54 088	31 896	26 247	1 468	5.6	524	6.9	267	5.1	51	3.9	250	3.7	

Table 23. Selected Social and Economic Characteristics for American Indian and Alaska Native Areas: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	All persons	American Indian, Eskimo, or Aleut												Persons for whom poverty status is determined			
		Persons 3 years and over— Enrolled in ele- mentary or high school	Persons 16 to 19 years			Persons 25 years and over			Persons 16 years and over			Per capito income in 1989 (dollars)	Persons for whom poverty status is determined				
			Total	Not enrolled in school and not high school graduate	Not in labor force	Total	Percent high school graduate or higher	Percent with boche- lor's degree or higher	Total	Civilian labor force			Total	Percent with income in 1989 below poverty level	Total	Percent with income in 1989 below poverty level	
										Total	Percent unem- ployed						
One Representative of Large -----	550 043	20 552	5 712	827	448	41 949	63.1	4.1	54 614	30 162	22.1	9 140	83 421	23.1	22 162	23.4	
AMERICAN INDIAN RESERVATION AND TRUST LAND																	
All areas -----	1 464	357	68	4	4	600	73.5	3.5	747	438	25.1	10 903	1 200	10.3	356	15.2	
Annette Islands Reserve, AK -----	1 464	357	68	4	4	600	73.5	3.5	747	438	25.1	10 903	1 200	10.3	356	15.2	
ALASKA NATIVE VILLAGE STATISTICAL AREA																	
All areas -----	77 592	11 815	3 035	406	271	22 147	55.2	2.8	28 791	14 603	24.5	7 816	46 670	26.8	12 867	27.1	
Akhiok, AK -----	81	17	5	—	—	39	48.7	—	53	32	18.8	14 793	81	2.5	20	—	
Akiachok, AK -----	462	71	36	—	—	215	44.2	—	289	129	14.7	6 201	410	14.1	78	10.3	
Akiok, AK -----	285	76	15	—	—	116	52.6	1.7	150	64	18.8	4 012	267	35.6	82	28.0	
Akutno, AK -----	605	22	—	—	—	44	43.2	—	46	36	—	7 820	76	10.5	19	—	
Alakonuk, AK -----	540	162	43	4	2	214	44.4	3.3	297	140	29.3	4 728	518	30.7	173	27.7	
Alotno, AK -----	23	10	3	—	—	11	81.8	—	14	12	100.0	3 639	23	73.9	10	100.0	
Alekogik, AK -----	194	48	10	—	—	93	55.9	3.2	108	39	20.5	8 010	175	29.7	52	26.9	
Alexander, AK -----	37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Allakoket, AK -----	143	28	4	—	—	72	30.6	—	81	55	69.1	4 645	131	45.0	28	60.7	
Ambler, AK -----	317	96	24	2	2	94	41.5	2.1	141	70	50.0	4 905	288	31.6	104	39.4	
Anaktuvuk Pass, AK -----	272	72	18	3	—	103	58.3	—	129	88	29.5	8 969	238	18.5	83	21.7	
Andreofsky, AK -----	406	78	26	4	—	157	63.1	3.8	211	130	24.6	6 769	343	19.8	90	17.8	
Angoon, AK -----	643	136	34	2	2	232	63.4	1.3	294	200	42.0	6 895	507	25.4	157	25.5	
Aniak, AK -----	529	102	12	—	—	150	64.7	3.3	190	132	10.6	7 093	339	23.6	101	16.8	
Anvik, AK -----	78	19	—	—	—	41	70.7	—	41	19	15.8	5 015	64	42.2	19	52.6	
Arctic Village, AK -----	92	14	4	3	3	38	50.0	5.3	53	26	7.7	4 536	86	31.4	15	33.3	
Atka, AK -----	101	36	16	—	—	47	76.6	—	64	36	25.0	6 007	91	13.2	34	29.4	
Atkasook, AK -----	213	58	19	9	—	90	46.7	—	132	101	32.7	12 084	192	16.1	45	15.6	
Atmoutluok, AK -----	262	86	19	—	—	111	33.3	—	143	84	27.4	3 436	251	49.4	95	50.5	
Borrow, AK -----	2 750	397	93	17	6	796	59.9	5.5	999	691	18.5	13 944	1 710	9.5	457	7.2	
Beaver, AK -----	96	15	10	—	—	48	54.2	—	63	28	14.3	8 328	93	33.3	22	45.5	
Belkofski, AK -----	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Berthel, AK -----	4 687	656	202	46	31	1 416	68.2	5.9	1 898	1 098	14.3	9 144	2 807	16.0	727	13.3	
Bill Moore's, AK -----	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Birch Creek, AK -----	41	8	—	—	—	20	15.0	—	22	13	—	2 247	36	91.7	11	100.0	
Brevig Mission, AK -----	188	59	4	1	—	80	50.0	—	90	63	38.1	4 574	166	27.7	57	19.3	
Buckland, AK -----	317	110	24	—	—	107	56.1	1.9	158	72	12.5	4 461	315	33.0	117	34.2	
Contwell, AK -----	145	—	—	—	—	27	51.9	7.4	27	15	20.0	10 944	39	17.9	5	—	
Canyon Village, AK -----	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Chalkyitsik, AK -----	95	29	3	—	—	49	46.9	—	54	14	35.7	3 957	91	68.1	36	88.9	
Chefornok, AK -----	310	87	29	5	5	128	41.4	2.3	176	57	7.0	4 168	302	36.4	79	43.0	
Chenega, AK -----	94	17	4	—	—	29	48.3	—	38	18	22.2	9 830	62	17.7	19	47.4	
Chevok, AK -----	597	137	33	1	1	217	63.1	3.2	302	160	20.6	4 303	557	28.5	148	29.1	
Chignik, AK -----	171	33	2	2	2	41	63.4	—	43	27	—	11 429	78	—	31	—	
Chignik Lagoon, AK -----	78	14	4	—	—	26	30.8	—	34	2	100.0	26 067	46	6.5	14	—	
Chignik Lake, AK -----	125	10	—	—	—	45	42.2	11.1	69	14	—	6 123	106	—	10	—	
Chilkot, AK -----	140	33	10	2	—	55	58.2	—	73	41	63.4	11 543	122	4.1	40	7.5	
Chilkoot, AK -----	219	6	—	—	—	10	60.0	20.0	10	10	20.0	28 542	16	—	6	—	
Chistochino, AK -----	62	10	4	—	—	21	47.6	—	29	18	61.1	10 743	43	16.3	8	—	
Chitino, AK -----	46	5	—	—	—	10	80.0	—	10	2	100.0	5 017	17	64.7	5	60.0	
Chuathbaluk, AK -----	99	33	11	5	5	38	36.8	—	54	28	10.7	4 517	87	52.9	31	61.3	
Chulloanowick, AK -----	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Circle, AK -----	73	16	—	—	—	39	64.1	7.7	39	20	40.0	6 322	58	13.8	16	25.0	
Clark's Point, AK -----	62	12	—	—	—	26	53.8	11.5	30	19	26.3	6 133	46	21.7	12	—	
Copper Center, AK -----	426	19	10	7	2	83	59.0	3.6	99	48	79.2	8 343	144	29.9	27	29.6	
Council, AK -----	6	—	—	—	—	2	—	—	4	—	—	720	4	100.0	—	—	
Craig, AK -----	1 260	69	11	4	—	143	69.2	5.6	171	108	14.8	18 016	288	1.7	82	—	
Crooked Creek, AK -----	108	20	5	—	—	41	43.9	—	59	28	32.1	7 604	98	31.6	20	30.0	
Deering, AK -----	157	41	6	—	—	67	62.7	3.0	91	56	7.1	6 983	152	22.4	48	39.6	
Dillingham, AK -----	2 017	265	60	2	2	566	70.3	7.4	694	345	13.9	14 531	1 116	14.1	281	15.3	
Dot Lake, AK -----	49	4	1	1	1	11	36.4	—	12	3	—	6 245	18	11.1	5	20.0	
Eagle, AK -----	35	3	—	—	—	23	69.6	13.0	27	24	91.7	7 551	30	10.0	3	—	
Eek, AK -----	264	60	12	—	—	124	46.8	1.6	162	61	27.9	5 228	248	29.8	60	33.3	
Egegik, AK -----	120	14	2	2	2	57	40.4	—	66	24	37.5	15 051	84	31.0	20	10.0	
Eklutno, AK -----	381	10	3	3	—	15	20.0	—	18	6	—	4 753	28	75.0	10	100.0	
Ekuk, AK -----	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Ekwo, AK -----	73	6	5	1	—	41	29.3	—	48	15	26.7	6 223	65	49.2	8	75.0	
Elim, AK -----	269	54	5	—	—	116	67.2	3.4	139	72	38.9	5 341	245	26.9	62	11.3	
Emmonak, AK -----	610	104	32	10	8	218	55.5	2.3	323	165	41.8	6 220	538	23.2	114	17.5	
English Bay, AK -----	161	45	11	—	—	56	73.2	—	78	48	54.2	12 442	147	—	55	—	
Evansville, AK -----	64	4	—	—	—	19	52.6	—	19	19	21.1	11 937	27	48.1	4	—	
Eyok, AK -----	168	3	—	—	—	7	100.0	—	7	7	28.6	184 067	13	—	3	—	
False Pass, AK -----	67	12	6	—	—	35	48.6	—	41	18	—	5 584	59	20.3	15	—	
Fort Yukon, AK -----	579	93	24	4	2	259	49.4	2.3	314	170	31.8	6 764	502	35.9	142	24.6	
Gakona, AK -----	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Galena, AK -----	806	99	32	—	—	174	65.5	2.3	235	103	16.5	8 441	350	26.0	101	18.8	
Gambell, AK -----	548	135	30	15	15	255	43.5	1.6	336	113	17.7	3 767	537	46.9	142	52.8	
Georgetown, AK -----	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Golovin, AK -----	123	18	5	—	—	60	46.7	—	80	49	18.4	5 899	110	9.1	17	11.8	
Goodnews Bay, AK -----	232	46	15	—	—	102	33.3	—	140	55	3.6	3 562	218	44.5	45	57.8	
Grayling, AK -----	217	43	16	3	3	90	46.7	—	125	72	25.0	5 776					

Table 23. Selected Social and Economic Characteristics for American Indian and Alaska Native Areas: 1990—Con.

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	All persons	American Indian, Eskimo, or Aleut												Persons for whom poverty status is deter- mined							
		Persons 3 years and over— Enrolled in ele- mentary or high school	Persons 16 to 19 years			Persons 25 years and over			Persons 16 years and over			Per capita income in 1989 (dollars)	Total	Percent with income in 1989 below poverty level	Persons 5 to 17 years						
			Total	Not enrolled in school and not high school graduate		Total	Percent high school graduate or higher	Percent with boche- lor's degree or higher	Total	Civilian labor force					Total	Percent unem- ployed	Total	Percent with income in 1989 below poverty level	Total	Percent with income in 1989 below poverty level	
				Total	Not in labor force					Total	Total										Percent unem- ployed
One Representative at Large—Con. ALASKA NATIVE VILLAGE STATISTICAL AREA—Con.																					
Huslia, AK	192	40	5	—	—	94	51.1	3.2	115	62	40.3	5 734	176	47.7	43	44.2					
Hydaburg, AK	388	84	20	3	3	183	66.7	2.7	228	111	26.1	7 624	348	25.9	97	33.0					
Igiugig, AK	29	6	1	—	—	7	42.9	—	8	5	—	7 024	20	—	6	—					
Ilamna, AK	66	13	—	—	—	22	68.2	—	26	13	—	8 596	48	16.7	16	12.5					
Inalik, AK	192	37	9	3	3	80	35.0	—	102	35	—	3 063	183	66.1	48	72.9					
Ivanof Bay, AK	38	14	7	3	3	9	100.0	44.4	16	5	—	3 468	30	23.3	14	—					
Kake, AK	687	118	40	—	—	255	71.8	5.5	335	188	14.4	11 612	508	7.5	115	7.0					
Kaktovik, AK	235	36	5	—	—	103	54.4	1.9	124	85	34.1	10 078	192	25.0	42	14.3					
Kalskog, AK	163	28	11	—	—	68	45.6	2.9	88	34	32.4	4 815	132	45.5	29	31.0					
Katag, AK	241	71	12	—	—	100	62.0	—	123	70	25.7	5 219	221	44.3	78	33.3					
Karluk, AK	82	23	8	—	—	26	38.5	—	42	25	—	7 089	74	—	30	—					
Kasaan, AK	54	4	4	2	2	26	65.4	—	30	22	81.8	23 385	42	—	4	—					
Kasigluk, AK	440	97	18	—	—	182	51.1	1.1	237	116	40.5	4 840	416	21.6	120	28.3					
Kiana, AK	367	95	28	—	—	140	52.9	2.1	181	84	34.5	6 467	335	26.6	103	19.4					
King Cove, AK	457	54	11	—	—	84	53.6	—	109	49	10.2	14 760	184	2.7	61	—					
King Salmon, AK	684	19	15	2	—	57	64.9	—	83	43	14.0	16 812	99	13.1	19	21.1					
Kipnuk, AK	462	142	39	7	7	199	47.2	1.0	276	65	13.8	2 142	452	77.2	136	59.6					
Kivalina, AK	304	98	22	2	—	119	46.2	1.7	163	103	58.3	4 543	299	32.8	110	27.3					
Klawock, AK	705	73	31	5	3	181	75.1	6.1	256	120	30.8	13 212	377	11.9	97	10.3					
Knik, AK	276	9	3	—	—	20	60.0	—	27	12	66.7	5 653	37	21.6	11	18.2					
Kobuk, AK	72	18	5	—	—	24	33.3	—	32	15	46.7	4 060	61	37.7	16	37.5					
Kokhanok, AK	161	43	7	—	—	85	58.8	2.4	96	34	8.8	4 104	151	57.0	42	59.5					
Koliganek, AK	191	26	8	2	2	83	53.0	—	107	29	13.8	4 024	182	37.4	44	20.5					
Kongiganak, AK	313	81	14	—	—	127	48.8	2.4	169	74	17.6	5 563	307	30.9	86	44.2					
Kotlik, AK	462	118	24	—	—	199	52.8	3.0	259	131	38.2	5 355	448	18.3	128	20.3					
Kotzebue, AK	2 751	506	137	34	19	916	63.4	2.8	1 222	711	20.3	9 387	2 014	15.6	542	14.2					
Koyuk, AK	240	67	20	—	—	101	67.3	—	139	78	39.7	5 226	232	30.6	70	34.3					
Koyukuk, AK	112	27	5	2	2	61	59.0	3.3	69	35	28.6	5 462	110	40.0	26	46.2					
Kwethluk, AK	568	155	27	2	2	249	43.8	2.4	313	90	13.3	4 452	540	38.0	169	43.2					
Kwigillingok, AK	258	34	13	—	—	135	62.2	3.0	180	70	10.0	4 521	247	44.5	35	54.3					
Lake Minchumina, AK	29	—	—	—	—	7	—	—	7	7	—	10 000	7	—	—	—					
Larsen Bay, AK	164	29	21	3	3	61	49.2	3.3	96	46	41.3	17 655	138	7	28	—					
Levelock, AK	112	13	7	3	3	57	59.6	1.8	69	34	26.5	6 082	98	27.6	20	30.0					
Lime Village, AK	47	14	2	—	—	26	30.8	7.7	28	20	15.0	5 498	44	61.4	15	46.7					
Lower Kalskog, AK	289	90	15	—	—	119	41.2	—	158	58	37.9	3 104	285	60.7	98	60.2					
McGrath, AK	524	102	36	4	4	115	67.0	8.7	162	95	14.7	7 802	258	19.0	108	24.1					
Monley Hot Springs, AK	123	6	—	—	—	23	69.6	13.0	25	19	36.8	10 160	39	48.7	9	100.0					
Monakotak, AK	398	87	15	5	3	169	59.8	3.0	223	109	17.4	5 872	381	29.4	93	32.3					
Marshall, AK	283	85	25	3	2	123	49.6	1.6	161	81	23.5	6 881	252	19.0	89	21.3					
Mory's Igloo, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Medfra, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Mekoryuk, AK	168	54	9	—	—	95	60.0	6.3	110	54	16.7	5 534	168	31.5	53	28.3					
Mentosto Lake, AK	102	21	6	—	—	40	35.0	—	50	13	23.1	3 252	80	56.3	23	69.6					
Minto, AK	197	52	11	4	4	102	31.4	—	121	54	61.1	5 340	192	35.9	54	44.4					
Mountain Village, AK	706	191	75	8	8	233	51.1	2.1	378	175	41.1	5 598	640	27.0	208	30.3					
Naknek, AK	590	66	11	—	—	128	71.1	4.7	147	64	10.9	14 034	247	2.8	67	—					
Napaimute, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Napakiak, AK	334	80	21	—	—	164	40.2	1.2	201	97	35.1	4 346	323	36.8	88	42.0					
Napaskiak, AK	326	92	38	1	1	125	52.0	—	181	78	25.6	4 796	310	36.1	100	36.0					
Nelson Lagoon, AK	80	—	—	—	—	47	25.5	—	64	5	—	21 421	71	—	—	—					
Nenana, AK	377	51	22	2	2	88	53.4	—	112	39	28.2	7 575	154	23.4	47	29.8					
Newhalen, AK	192	47	10	—	—	67	68.7	10.4	91	53	5.7	6 657	177	24.3	52	38.5					
New Stuyahok, AK	398	67	35	3	3	165	33.3	6	248	70	20.0	4 021	381	53.3	81	50.6					
Newtok, AK	217	75	25	2	2	81	35.8	—	122	46	30.4	3 029	199	54.8	70	48.6					
Nighmute, AK	174	55	14	—	—	79	32.9	2.5	117	49	28.6	2 967	168	63.1	49	69.4					
Nikolai, AK	113	26	2	2	2	57	43.9	—	65	26	30.8	4 658	101	43.6	32	75.0					
Nikolski, AK	38	—	—	—	—	22	36.4	—	25	9	—	9 302	25	—	—	—					
Ninilchik, AK	10 491	115	35	7	7	221	69.2	2.3	288	127	15.7	13 649	405	9.6	121	8.3					
Noatak, AK	352	82	19	—	—	163	66.3	2.5	217	98	46.9	6 677	342	17.5	88	18.2					
Nondolton, AK	172	19	8	2	2	91	47.3	—	113	53	54.7	8 157	154	22.7	22	13.6					
Noorvik, AK	548	145	36	7	7	222	44.1	3.6	300	135	20.0	6 447	519	17.5	153	17.6					
Northway, AK	121	37	5	—	—	53	37.7	—	60	31	48.4	4 374	109	47.7	38	52.6					
Nuiqsut, AK	335	67	17	10	6	144	35.4	1.4	183	138	37.0	9 224	314	13.4	82	8.5					
Nulato, AK	399	109	17	—	—	184	77.2	6.5	227	98	27.6	5 255	382	36.6	111	38.7					
Nunapitchuk, AK	385	68	23	3	3	192	50.0	3.1	245	104	13.5	5 581	372	40.1	76	50.0					
Ohogamiut, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Old Harbor, AK	276	77	23	4	2	114	45.6	—	155	54	46.3	6 003	253	34.4	79	32.9					
Oscorville, AK	44	17	5	—	—	20	40.0	—	25	11	—	5 903	44	27.3	14	35.7					
Ouzinkie, AK	214	27	9	—	—	115	62.6	—	131	69	20.3	15 589	183	10.4	28	7.1					
Paimiut, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					
Pedro Bay, AK	41	18	4	—	—	19	57.9	—	23	15	—	11 995	41	22.0	20	20.0					
Pelican, AK	212	19	7	3	—	35	74.3	5.7	50	41	9.8	9 779	74	14.9	19	15.8					
Perryville, AK	110	31	9	2	2	53	43.4	—	65	17	17.6	12 046	105	26.7	36	25.0					
Pilot Point, AK	54	6	2	—	—	25	32.0	—	32	12	—	12 087	47	14.9	9	33.3					
Pilot Station, AK	467	102	27	7	7	174	48.3	—	249	138	37.7	4 093	452								

Table 23. Selected Social and Economic Characteristics for American Indian and Alaska Native Areas: 1990—Con.

[Data based on a sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text.]

Congressional District American Indian/Alaska Native Area	All persons	American Indian, Eskimo, or Aleut											Persons for whom poverty status is determined			
		Persons 3 years and over—Enrolled in elementary or high school	Persons 16 to 19 years			Persons 25 years and over			Persons 16 years and over			Per capita income in 1989 (dollars)				
			Total	Total	Not in labor force	Total	Percent high school graduate or higher	Percent with bachelor's degree or higher	Total	Civilian labor force						
										Total	Percent unemployed					
													Total	Percent with income in 1989 below poverty level	Total	Percent with income in 1989 below poverty level
One Representative at Large—Con. ALASKA NATIVE VILLAGE STATISTICAL AREA—Con.																
Port Graham, AK	145	22	6	4	—	77	63.6	—	88	51	43.1	16 440	118	2.5	20	—
Port Heiden, AK	111	18	1	—	—	36	55.6	—	41	29	31.0	13 618	84	25.0	23	34.8
Port Lions, AK	206	31	5	—	—	75	57.3	—	91	50	20.0	14 674	133	6.8	30	10.0
Quinhagak, AK	509	109	31	2	2	237	41.4	3.8	301	113	5.3	4 770	464	38.4	106	37.7
Rampart, AK	72	7	4	—	—	39	38.5	—	56	33	78.8	7 067	69	36.2	8	—
Red Devil, AK	54	14	—	—	—	16	50.0	—	19	8	25.0	5 876	38	42.1	14	—
Ruby, AK	175	65	5	—	—	44	40.9	—	53	26	23.1	3 537	122	30.3	59	23.7
Russian Mission, AK	240	56	13	2	2	84	44.0	2.4	115	51	25.5	4 154	229	47.2	70	68.6
St. George, AK	143	32	3	—	—	74	62.2	1.4	80	42	16.7	8 825	138	42.0	38	60.5
St. Mary's, AK	34	5	2	—	—	13	53.8	—	15	6	33.3	2 781	27	29.6	7	28.6
St. Michael, AK	315	112	40	—	—	121	41.3	—	169	77	28.6	4 543	290	22.8	115	31.3
St. Paul, AK	752	96	17	3	2	299	53.8	—	358	213	18.3	12 187	528	5.9	123	6.5
Salamataf, AK	1 007	22	1	—	—	94	62.8	4.3	100	27	37.0	8 741	47	17.0	7	14.3
Sand Point, AK	859	108	25	—	—	210	53.3	1.4	266	133	3.8	24 671	422	15.9	125	10.4
Savaanga, AK	514	133	38	6	6	241	39.0	—	321	85	17.6	3 344	495	52.9	137	53.3
Saxman, AK	380	92	19	7	5	164	76.2	1.8	205	134	26.1	10 423	321	6.5	103	2.9
Scamman Bay, AK	346	87	25	1	1	120	44.2	1.7	174	80	20.0	4 126	337	41.8	105	42.9
Selawik, AK	579	158	21	3	2	231	44.6	—	282	124	36.3	5 212	555	24.1	179	25.1
Seldovia, AK	315	10	5	—	—	27	81.5	—	32	7	42.9	11 747	38	15.8	7	—
Shageluk, AK	135	26	1	—	—	60	46.7	—	79	31	25.8	4 922	131	35.9	25	28.0
Shaktalik, AK	175	25	5	—	—	74	50.0	4.1	96	62	35.5	7 021	167	24.0	36	13.9
Sheldan Point, AK	112	13	8	1	1	41	22.0	7.3	59	37	16.2	4 647	99	63.6	22	77.3
Shishmaref, AK	433	122	34	2	—	178	55.6	1.7	246	96	20.8	4 785	413	27.6	121	30.6
Shungnak, AK	225	48	15	2	2	103	43.7	—	143	51	15.7	7 998	217	6.0	55	3.6
Sloa, AK	63	—	—	—	—	2	—	—	2	—	—	1 173	2	100.0	—	—
Sleetmute, AK	115	14	3	3	3	58	46.6	—	67	23	17.4	8 283	93	71.0	15	100.0
Saloman, AK	6	—	—	—	—	6	33.3	—	6	2	100.0	2 488	6	33.3	—	—
South Naknek, AK	133	28	5	—	—	55	78.2	7.3	65	34	26.5	7 289	105	30.5	29	17.2
Stebbins, AK	448	101	38	9	8	168	32.7	—	251	142	43.7	4 230	427	34.0	108	35.2
Stevens Village, AK	101	28	6	2	2	54	38.9	5.6	62	30	43.3	4 432	96	74.0	25	88.0
Strany River, AK	49	5	2	2	2	25	92.0	8.0	31	15	26.7	2 361	49	100.0	8	100.0
Takafna, AK	36	1	—	—	—	8	50.0	—	8	2	—	5 020	8	25.0	—	—
Tanacross, AK	105	32	10	—	—	62	61.3	—	77	48	35.4	8 099	105	23.8	32	25.0
Tanana, AK	349	61	26	—	—	146	63.7	1.4	184	95	27.4	6 927	261	28.7	73	24.7
Toitilek, AK	111	30	11	2	2	38	63.2	—	56	11	—	8 057	98	22.4	30	6.7
Tazlina, AK	258	21	3	—	—	41	58.5	—	44	26	46.2	9 961	80	20.0	25	8.0
Telida, AK	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Teller, AK	154	24	7	2	2	67	59.7	—	79	44	4.5	5 271	119	37.8	25	52.0
Tenakee Springs, AK	92	—	—	—	—	13	23.1	—	13	3	—	7 411	13	30.8	—	—
Tetlin, AK	91	15	2	—	—	48	50.0	—	58	29	24.1	7 305	84	32.1	15	40.0
Tagiak, AK	606	141	31	—	—	253	54.5	2.0	322	92	30.4	4 107	519	50.7	131	64.1
Tak, AK	935	22	6	—	—	38	55.3	5.3	52	30	50.0	10 678	87	20.7	26	34.6
Taksaak Bay, AK	405	124	52	—	—	157	47.1	1.9	248	129	27.1	4 586	389	40.1	106	37.7
Tuluksak, AK	353	74	17	—	—	141	44.0	—	194	64	3.1	3 391	329	55.0	101	61.4
Tuntutuliak, AK	300	78	14	4	2	127	44.9	1.6	174	67	7.5	4 720	283	48.8	82	48.8
Tununok, AK	300	57	29	5	2	118	54.2	1.7	178	93	12.9	5 189	286	27.6	67	29.9
Twin Hills, AK	44	2	—	—	—	26	26.9	—	26	7	—	3 990	37	59.5	2	100.0
Tyonek, AK	121	40	14	3	3	55	36.4	5.5	81	41	43.9	5 497	109	41.3	34	50.0
Ugashik, AK	6	—	1	—	—	2	50.0	—	4	3	66.7	12 208	4	—	—	—
Ukivak, AK	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unalakleet, AK	646	143	27	—	—	246	67.1	6.5	292	184	24.5	9 419	510	14.7	166	8.4
Unalaska, AK	3 089	61	21	—	—	162	57.4	13.0	198	134	9.7	13 457	273	15.0	59	23.7
Venetie, AK	182	50	20	8	3	76	31.6	—	105	45	46.7	3 178	171	50.3	54	59.3
Wainwright, AK	502	131	20	—	—	221	47.1	—	267	169	11.8	9 095	471	4.5	152	3.3
Wales, AK	159	36	10	—	—	65	55.4	4.6	82	43	25.6	4 174	140	38.6	33	33.3
White Mountain, AK	174	38	6	—	—	79	67.1	1.3	92	42	42.9	5 324	143	41.3	36	27.8
Wiseman, AK	34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Yakutat, AK	544	57	15	4	2	150	59.3	6.0	193	134	20.9	11 956	285	14.4	71	9.9
ALASKA NATIVE REGIONAL CORPORATION																
Ahtna	3 047	99	30	7	2	322	53.4	2.5	374	182	54.4	9 388	564	29.1	124	28.2
Aleut	11 942	476	120	6	5	1 169	54.5	2.7	1 439	731	10.7	14 179	2 142	12.1	535	13.8
Arctic Slope	5 979	1 032	215	45	16	2 024	54.6	2.7	2 557	1 745	23.2	12 120	4 279	10.9	1 165	8.7
Bering Straits	8 288	1 566	437	65	34	2 957	52.7	2.2	3 843	1 948	24.6	6 373	5 998	28.9	1 633	29.6
Bristol Bay	7 028	1 066	260	29	24	2 307	57.7	3.8	2 900	1 206	18.3	9 273	4 629	27.5	1 154	27.7
Calista	19 447	4 174	1 172	132	101	7 449	52.2	2.7	10 082	4 811	22.4	5 589	16 457	34.2	4 506	34.8
Chugach	11 446	310	76	6	2	884	65.6	1.9	1 084	575	16.2	15 637	1 323	9.5	332	8.4
Coak Inlet	302 517	4 248	1 345	197	80	9 799	74.6	6.5	12 807	7 577	20.5	10 682	17 975	20.4	4 436	20.4
Dayan	91 938	2 696	750	104	63	5 225	63.9	4.2	6 841	3 678	30.0	7 605	10 274	29.6	2 936	29.6
Kaniq	13 309	472	169	19	12	1 086	63.1	4.6	1 432	828	14.6	12 237	2 091	10.8	515	9.3
NANA	6 113	1 415	340	50	32	2 240	55.4	2.2	2 987	1 525	27.5	7 236	5 173	20.8	1 536	21.5
Sealaska	67 525	2 641	730	163	73	5 887	70.7	4.7	7 521	4 918	18.3	11 723	11 316	12.9	2 934	12.2

Table 24. Structural Characteristics of Housing Units: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District	The State	One Representative at Large
UNITS IN STRUCTURE		
Owner-occupied housing units	106 000	106 000
1, detached	80 006	80 006
1, attached	6 488	6 488
2	2 802	2 802
3 or 4	1 042	1 042
5 to 9	1 132	1 132
10 to 19	750	750
20 to 49	865	865
50 or more	191	191
Mobile home or trailer	11 549	11 549
Other	1 175	1 175
Renter-occupied housing units	82 915	82 915
1, detached	19 349	19 349
1, attached	7 348	7 348
2	9 038	9 038
3 or 4	13 328	13 328
5 to 9	12 553	12 553
10 to 19	6 404	6 404
20 to 49	6 905	6 905
50 or more	2 401	2 401
Mobile home or trailer	4 291	4 291
Other	1 298	1 298
YEAR STRUCTURE BUILT		
All housing units	232 608	232 608
1989 to March 1990	3 525	3 525
1985 to 1988	27 636	27 636
1980 to 1984	57 295	57 295
1970 to 1979	76 124	76 124
1960 to 1969	32 373	32 373
1950 to 1959	19 407	19 407
1940 to 1949	9 163	9 163
1939 or earlier	7 085	7 085
Median	1976	1976
BEDROOMS		
All housing units	232 608	232 608
No bedroom	16 927	16 927
1 bedroom	38 668	38 668
2 bedrooms	70 555	70 555
3 bedrooms	75 310	75 310
4 bedrooms	25 009	25 009
5 or more bedrooms	6 139	6 139
Owner-occupied housing units	106 000	106 000
No bedroom	2 507	2 507
1 bedroom	8 131	8 131
2 bedrooms	25 090	25 090
3 bedrooms	46 499	46 499
4 bedrooms	18 830	18 830
5 or more bedrooms	4 943	4 943
Renter-occupied housing units	82 915	82 915
No bedroom	4 838	4 838
1 bedroom	19 648	19 648
2 bedrooms	32 130	32 130
3 bedrooms	20 900	20 900
4 bedrooms	4 643	4 643
5 or more bedrooms	756	756

Table 25. **Equipment and Fuels: 1990**

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District	The State	One Representative at Large
PLUMBING FACILITIES		
All housing units	232 608	232 608
Complete plumbing facilities.....	203 584	203 584
Lacking complete plumbing facilities.....	29 024	29 024
Owner-occupied housing units	106 000	106 000
Complete plumbing facilities.....	96 791	96 791
Lacking complete plumbing facilities.....	9 209	9 209
Renter-occupied housing units	82 915	82 915
Complete plumbing facilities.....	78 635	78 635
Lacking complete plumbing facilities.....	4 280	4 280
SOURCE OF WATER		
All housing units	232 608	232 608
Public system or private company.....	152 550	152 550
Individual drilled well.....	52 697	52 697
Individual dug well.....	3 419	3 419
Some other source.....	23 942	23 942
SEWAGE DISPOSAL		
All housing units	232 608	232 608
Public sewer.....	144 905	144 905
Septic tank or cesspool.....	59 886	59 886
Other means.....	27 817	27 817
KITCHEN FACILITIES		
All housing units	232 608	232 608
Complete kitchen facilities.....	206 644	206 644
Lacking complete kitchen facilities.....	25 964	25 964
HOUSE HEATING FUEL		
Occupied housing units	188 915	188 915
Utility gas.....	80 775	80 775
Bottled, tank, or LP gas.....	3 637	3 637
Electricity.....	22 326	22 326
Fuel oil, kerosene, etc.....	60 926	60 926
Coal or coke.....	3 198	3 198
Wood.....	14 570	14 570
Solar energy.....	56	56
Other fuel.....	2 533	2 533
No fuel used.....	894	894
TELEPHONE IN UNIT		
Occupied housing units	188 915	188 915
Telephone in unit.....	173 185	173 185
No telephone in unit.....	15 730	15 730
VEHICLES AVAILABLE		
Owner-occupied housing units	106 000	106 000
None.....	8 850	8 850
1.....	25 447	25 447
2.....	46 153	46 153
3 or more.....	25 550	25 550
Vehicles per household.....	1.9	1.9
Renter-occupied housing units	82 915	82 915
None.....	13 693	13 693
1.....	38 967	38 967
2.....	24 414	24 414
3 or more.....	5 841	5 841
Vehicles per household.....	1.3	1.3
PLUMBING FACILITIES BY PERSONS PER ROOM		
Owner-occupied housing units	106 000	106 000
Lacking complete plumbing facilities.....	9 209	9 209
1.00 or less.....	6 108	6 108
1.01 or more.....	3 101	3 101
Renter-occupied housing units	82 915	82 915
Lacking complete plumbing facilities.....	4 280	4 280
1.00 or less.....	2 876	2 876
1.01 or more.....	1 404	1 404
HOUSEHOLDER 65 YEARS AND OVER		
Occupied housing units	14 716	14 716
Owner-occupied housing units.....	10 914	10 914
Lacking complete plumbing facilities.....	1 395	1 395
No telephone in unit.....	1 209	1 209
No vehicle available.....	4 173	4 173

Table 26. Occupancy, Utilization, and Financial Characteristics of Housing Units: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text.]

State Congressional District	The State	One Representative of Large
Occupied housing units	188 915	188 915
PERSONS IN UNIT		
Owner-occupied housing units	106 000	106 000
1 person	18 324	18 324
2 persons	31 839	31 839
3 persons	19 478	19 478
4 persons	20 446	20 446
5 persons	9 449	9 449
6 persons	3 822	3 822
7 or more persons	2 642	2 642
Median	2.65	2.65
Renter-occupied housing units	82 915	82 915
1 person	23 642	23 642
2 persons	22 889	22 889
3 persons	14 735	14 735
4 persons	12 149	12 149
5 persons	6 109	6 109
6 persons	2 154	2 154
7 or more persons	1 237	1 237
Median	2.28	2.28
YEAR HOUSEHOLDER MOVED INTO UNIT		
Owner-occupied housing units	106 000	106 000
1989 to March 1990	14 021	14 021
1985 to 1988	30 872	30 872
1980 to 1984	30 056	30 056
1970 to 1979	22 365	22 365
1960 to 1969	5 714	5 714
1959 or earlier	2 972	2 972
Renter-occupied housing units	82 915	82 915
1989 to March 1990	48 280	48 280
1985 to 1988	28 407	28 407
1980 to 1984	3 860	3 860
1970 to 1979	1 901	1 901
1960 to 1969	347	347
1959 or earlier	120	120
AGE OF HOUSEHOLDER		
Owner-occupied housing units	106 000	106 000
Under 25 years	1 881	1 881
25 to 34 years	21 160	21 160
35 to 44 years	34 877	34 877
45 to 54 years	23 235	23 235
55 to 64 years	13 933	13 933
65 to 74 years	7 969	7 969
75 years and over	2 945	2 945
Renter-occupied housing units	82 915	82 915
Under 25 years	11 708	11 708
25 to 34 years	32 281	32 281
35 to 44 years	21 816	21 816
45 to 54 years	9 090	9 090
55 to 64 years	4 218	4 218
65 to 74 years	2 472	2 472
75 years and over	1 330	1 330
CONDOMINIUM HOUSING UNITS		
Condominium housing units	12 205	12 205
Owner-occupied condominium housing units	5 095	5 095
Renter-occupied condominium housing units	4 953	4 953
Vacant condominium housing units	2 157	2 157
MEAN HOUSEHOLD INCOME IN 1989		
Owner-occupied housing units (dollars)	59 903	59 903
Renter-occupied housing units (dollars)	35 139	35 139
GROSS RENT		
Specified renter-occupied housing units	81 927	81 927
Less than \$100	263	263
\$100 to \$199	1 158	1 158
\$200 to \$299	4 401	4 401
\$300 to \$399	9 818	9 818
\$400 to \$499	12 937	12 937
\$500 to \$599	11 331	11 331
\$600 to \$749	13 057	13 057
\$750 to \$999	10 454	10 454
\$1,000 or more	7 451	7 451
No cash rent	11 057	11 057
Median (dollars)	559	559
Mean (dollars)	617	617

Table 27. Homeowner and Rental Financial Characteristics: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District	One Representative of The State Large	
	The State	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS		
Specified owner-occupied housing units.....	77 859	77 859
With a mortgage.....	59 489	59 489
Less than \$200.....	378	378
\$200 to \$299.....	1 112	1 112
\$300 to \$399.....	1 580	1 580
\$400 to \$499.....	2 282	2 282
\$500 to \$599.....	2 659	2 659
\$600 to \$799.....	8 081	8 081
\$800 to \$999.....	10 683	10 683
\$1,000 to \$1,499.....	22 197	22 197
\$1,500 to \$1,999.....	7 953	7 953
\$2,000 or more.....	2 564	2 564
Median (dollars).....	1 059	1 059
Mean (dollars).....	1 103	1 103
Not mortgaged.....	18 370	18 370
Less than \$100.....	1 972	1 972
\$100 to \$199.....	5 251	5 251
\$200 to \$299.....	5 853	5 853
\$300 to \$399.....	3 211	3 211
\$400 or more.....	2 083	2 083
Median (dollars).....	232	232
Mean (dollars).....	245	245
HOUSEHOLD INCOME IN 1989 BY SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1989		
Specified owner-occupied housing units.....	77 859	77 859
Less than \$20,000.....	9 755	9 755
Less than 20 percent.....	2 765	2 765
20 to 24 percent.....	870	870
25 to 29 percent.....	707	707
30 to 34 percent.....	704	704
35 percent or more.....	4 417	4 417
Not computed.....	292	292
Median.....	32.8	32.8
\$20,000 to \$34,999.....	10 677	10 677
Less than 20 percent.....	4 765	4 765
20 to 24 percent.....	929	929
25 to 29 percent.....	996	996
30 to 34 percent.....	1 013	1 013
35 percent or more.....	2 951	2 951
Not computed.....	23	23
Median.....	23.0	23.0
\$35,000 to \$49,999.....	13 563	13 563
Less than 20 percent.....	5 549	5 549
20 to 24 percent.....	2 096	2 096
25 to 29 percent.....	2 076	2 076
30 to 34 percent.....	1 555	1 555
35 percent or more.....	2 263	2 263
Not computed.....	24	24
Median.....	22.9	22.9
\$50,000 or more.....	43 864	43 864
Less than 20 percent.....	27 850	27 850
20 to 24 percent.....	8 515	8 515
25 to 29 percent.....	4 357	4 357
30 to 34 percent.....	1 984	1 984
35 percent or more.....	1 073	1 073
Not computed.....	85	85
Median.....	15.7	15.7
HOUSEHOLD INCOME IN 1989 BY GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1989		
Specified renter-occupied housing units.....	81 927	81 927
Less than \$10,000.....	9 590	9 590
Less than 20 percent.....	103	103
20 to 24 percent.....	68	68
25 to 29 percent.....	265	265
30 to 34 percent.....	241	241
35 percent or more.....	7 355	7 355
Not computed.....	1 558	1 558
Median.....	35.0+	35.0+
\$10,000 to \$19,999.....	16 387	16 387
Less than 20 percent.....	717	717
20 to 24 percent.....	1 119	1 119
25 to 29 percent.....	1 812	1 812
30 to 34 percent.....	1 913	1 913
35 percent or more.....	8 077	8 077
Not computed.....	2 749	2 749
Median.....	35.0+	35.0+
\$20,000 to \$34,999.....	22 771	22 771
Less than 20 percent.....	5 282	5 282
20 to 24 percent.....	4 476	4 476
25 to 29 percent.....	3 407	3 407
30 to 34 percent.....	2 070	2 070
35 percent or more.....	3 648	3 648
Not computed.....	3 888	3 888
Median.....	24.6	24.6
\$35,000 or more.....	33 179	33 179
Less than 20 percent.....	21 223	21 223
20 to 24 percent.....	4 675	4 675
25 to 29 percent.....	2 191	2 191
30 to 34 percent.....	1 081	1 081
35 percent or more.....	770	770
Not computed.....	3 239	3 239
Median.....	14.1	14.1

Table 28. Selected Housing Characteristics by Race and Hispanic Origin of Householder: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District	Alaska					One Representative of Large				
	Race of Householder				Hispanic origin (of any race)	Race of Householder				Hispanic origin (of any race)
	White	Black	American Indian, Eskimo, or Aleut	Asian or Pacific Islander		White	Black	American Indian, Eskimo, or Aleut	Asian or Pacific Islander	
TENURE										
Occupied housing units	153 433	6 685	22 373	4 671	4 670	153 433	6 685	22 373	4 671	4 670
Owner-occupied housing units	88 644	1 841	13 038	1 885	1 714	88 644	1 841	13 038	1 885	1 714
Renter-occupied housing units	64 789	4 844	9 335	2 786	2 956	64 789	4 844	9 335	2 786	2 956
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS										
Specified owner-occupied housing units	63 635	1 407	10 908	1 477	1 161	63 635	1 407	10 908	1 477	1 161
With a mortgage	51 906	1 273	4 607	1 304	1 012	51 906	1 273	4 607	1 304	1 012
Less than \$300	576	15	877	16	12	576	15	877	16	12
\$300 to \$499	2 396	58	1 354	36	50	2 396	58	1 354	36	50
\$500 to \$699	5 464	90	608	94	101	5 464	90	608	94	101
\$700 to \$999	13 566	252	808	395	241	13 566	252	808	395	241
\$1,000 to \$1,499	20 213	595	700	545	418	20 213	595	700	545	418
\$1,500 or more	9 691	263	260	218	190	9 691	263	260	218	190
Not mortgaged	11 729	134	6 301	173	149	11 729	134	6 301	173	149
Less than \$100	1 095	2	873	2	6	1 095	2	873	2	6
\$100 to \$199	2 999	27	2 193	32	52	2 999	27	2 193	32	52
\$200 to \$299	3 852	58	1 872	69	20	3 852	58	1 872	69	20
\$300 to \$399	2 258	28	866	38	37	2 258	28	866	38	37
\$400 or more	1 525	19	497	32	34	1 525	19	497	32	34
GROSS RENT										
Specified renter-occupied housing units	63 905	4 836	9 260	2 767	2 952	63 905	4 836	9 260	2 767	2 952
Less than \$200	806	71	507	33	40	806	71	507	33	40
\$200 to \$299	2 946	149	1 049	213	163	2 946	149	1 049	213	163
\$300 to \$499	17 261	1 041	3 042	991	945	17 261	1 041	3 042	991	945
\$500 to \$749	19 585	1 443	2 298	725	884	19 585	1 443	2 298	725	884
\$750 to \$999	8 698	666	726	276	281	8 698	666	726	276	281
\$1,000 or more	6 419	373	327	273	173	6 419	373	327	273	173
No cash rent	8 190	1 093	1 311	256	466	8 190	1 093	1 311	256	466
Median (dollars)	587	606	459	506	527	587	606	459	506	527
SELECTED CHARACTERISTICS										
Occupied housing units	153 433	6 685	22 373	4 671	4 670	153 433	6 685	22 373	4 671	4 670
Lacking complete plumbing facilities	6 341	65	6 917	113	182	6 341	65	6 917	113	182
No vehicle available	10 011	671	11 069	591	501	10 011	671	11 069	591	501

Table 29. Structural, Plumbing, and Equipment Characteristics: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	All housing units	Percent								
		Year structure built		Bedrooms						
		1980 to March 1990	1939 or earlier	None or 1	4 or more	Condominium	Lacking complete plumbing facilities	With public water system or private company	With public sewer	Lacking complete kitchen facilities
The State -----	232 608	38.0	3.0	23.9	13.4	5.2	12.5	65.6	62.3	11.2
One Representative at Large -----	232 608	38.0	3.0	23.9	13.4	5.2	12.5	65.6	62.3	11.2
BOROUGH AND CENSUS AREA										
Aleutians East Borough -----	693	44.0	2.7	18.3	13.4	5.6	7.1	87.3	78.4	7.6
Aleutians West Census Area -----	2 051	47.7	5.7	14.7	13.4	3.0	4.4	96.3	91.9	4.2
Anchorage Borough -----	94 153	34.4	.6	15.9	17.5	9.9	.6	86.0	87.4	.5
Bethel Census Area -----	4 362	38.8	3.1	41.9	4.5	.8	61.8	46.0	20.5	57.5
Bristol Bay Borough -----	596	38.6	5.0	26.0	9.7	—	15.9	14.1	33.4	11.4
Dillingham Census Area -----	1 691	49.5	3.0	42.9	6.5	—	32.8	52.4	47.7	29.7
Fairbanks North Star Borough -----	31 823	36.3	1.9	24.4	11.7	2.4	8.1	60.1	56.2	6.8
Haines Borough -----	1 112	36.5	15.0	41.5	9.6	.5	25.4	51.7	45.2	22.2
Juneau Borough -----	10 638	34.3	10.2	18.6	11.2	7.7	2.5	78.7	80.7	2.0
Kenai Peninsula Borough -----	19 364	47.0	1.9	26.7	13.1	.3	15.6	34.8	32.3	13.9
Ketchikan Gateway Borough -----	5 463	25.8	17.2	25.9	11.6	9.4	4.1	68.3	66.1	4.0
Kodiak Island Borough -----	4 885	34.6	2.3	24.5	12.5	2.7	9.9	79.4	78.1	9.1
Lake and Peninsula Borough -----	991	57.8	3.3	49.1	7.3	—	49.9	37.3	26.2	42.2
Matanuska-Susitna Borough -----	20 953	58.3	2.1	25.3	12.2	.4	21.2	13.6	10.3	19.3
Name Census Area -----	3 684	31.3	10.5	45.1	5.0	.2	55.3	59.9	41.5	52.7
North Slope Borough -----	2 153	39.8	1.6	40.9	5.6	—	64.6	82.5	27.3	31.9
Northwest Arctic Borough -----	1 998	33.5	2.2	45.7	3.6	.3	53.0	67.3	51.7	49.0
Prince of Wales-Outer Ketchikan Census Area -----	2 543	41.6	6.3	33.3	8.8	—	14.2	75.3	71.0	13.3
Sitka Borough -----	3 222	28.0	8.4	23.7	12.4	1.6	4.0	94.7	89.5	4.6
Skagway-Yakutat-Angoon Census Area -----	2 102	25.6	14.5	36.1	9.4	—	28.1	58.9	53.8	23.9
Southeast Fairbanks Census Area -----	3 149	44.0	1.8	40.1	9.0	—	39.1	24.7	17.9	37.6
Valdez-Cordova Census Area -----	5 196	28.2	8.2	37.2	8.2	4.9	28.8	57.0	46.9	26.3
Wade Hampton Census Area -----	1 882	34.3	2.2	48.0	3.8	—	73.9	55.4	32.3	70.0
Wrangell-Petersburg Census Area -----	3 005	28.6	15.6	29.4	12.3	.2	12.8	71.2	65.7	12.3
Yukon-Koyukuk Census Area -----	4 899	37.9	4.2	58.6	4.1	.3	64.9	39.2	13.0	61.0
PLACE										
Anchorage city -----	94 153	34.4	.6	15.9	17.5	9.9	.6	86.0	87.4	.5
College CDP -----	4 255	33.9	.7	22.4	14.5	7.5	5.7	68.0	65.0	5.1
Fairbanks city -----	12 537	27.8	3.7	29.3	10.1	3.6	.6	98.7	98.9	.5
Juneau city -----	10 638	34.3	10.2	18.6	11.2	7.7	2.5	78.7	80.7	2.0

Table 30. **Fuels and Equipment Characteristics: 1990**

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	All occupied housing units	Percent with—								No telephone in unit
		House heating fuel					Vehicles available			
		Utility gas	Battled, tank, or LP gas	Electricity	Fuel oil, kero- sene, etc.	Other or none	None	1	2 or more	
The State -----	188 915	42.8	1.9	11.8	32.3	11.2	11.9	34.1	54.0	8.3
One Representative at Large -----	188 915	42.8	1.9	11.8	32.3	11.2	11.9	34.1	54.0	8.3
BOROUGH AND CENSUS AREA										
Aleutians East Borough -----	533	.4	.9	.9	97.0	.8	26.1	44.3	29.6	12.0
Aleutians West Census Area -----	1 845	13.0	.4	3.1	40.1	43.4	17.5	49.5	33.0	9.3
Anchorage Borough -----	82 702	81.6	1.0	14.0	1.0	2.4	6.2	35.6	58.2	3.4
Bethel Census Area -----	3 605	.1	.4	2.0	84.1	13.4	65.0	24.4	10.6	30.5
Bristol Bay Borough -----	407	—	1.0	.7	95.3	2.9	12.0	45.2	42.8	10.1
Oillingham Census Area -----	1 215	.2	.2	2.2	89.0	8.4	42.6	34.1	23.3	17.2
Fairbanks North Star Borough -----	26 693	1.7	1.0	6.1	73.6	17.6	6.6	33.8	59.6	6.5
Haines Borough -----	791	—	4.0	2.7	55.6	37.7	9.2	38.7	52.1	25.5
Juneau Borough -----	9 902	.1	1.4	30.4	61.3	6.7	9.8	37.6	52.6	4.8
Kenai Peninsula Borough -----	14 250	42.1	4.2	13.6	22.4	17.7	6.8	30.5	62.7	9.8
Ketchikan Gateway Borough -----	5 030	.2	5.1	15.0	63.5	16.3	13.1	37.2	49.6	6.2
Kodiak Island Borough -----	4 083	—	.9	2.7	90.5	5.8	11.8	37.3	50.9	8.1
Lake and Peninsula Borough -----	509	—	.2	—	82.7	17.1	61.7	30.3	8.1	32.8
Matanuska-Susitna Borough -----	13 394	40.7	6.1	12.5	17.2	23.5	3.2	27.0	69.8	7.7
Name Census Area -----	2 371	—	—	1.3	86.6	12.1	61.8	26.4	11.8	27.2
North Slope Borough -----	1 673	62.1	—	.9	36.1	.9	59.9	31.1	9.0	19.8
Northwest Arctic Borough -----	1 526	.7	.1	3.5	79.6	16.1	75.0	18.0	7.0	32.4
Prince of Wales-Outer Ketchikan Census Area -----	2 061	.1	8.0	11.4	46.5	34.1	23.1	43.0	33.8	31.9
Sitka Borough -----	2 939	—	.5	25.5	60.4	13.7	14.2	39.0	46.9	7.5
Skagway-Yakutat-Angoon Census Area -----	1 422	.2	2.4	5.6	70.3	21.5	30.6	38.7	30.7	21.4
Southeast Fairbanks Census Area -----	1 909	.1	1.7	1.5	63.9	32.8	8.6	39.7	51.8	20.3
Valdez-Cordova Census Area -----	3 425	1.0	6.1	1.8	76.0	15.1	10.1	35.4	54.5	17.3
Wade Hampton Census Area -----	1 368	—	.1	.8	77.0	22.1	84.6	12.4	2.9	47.2
Wrangell-Petersburg Census Area -----	2 514	—	4.9	7.8	66.1	21.2	19.2	35.0	45.9	13.6
Yukon-Koyukuk Census Area -----	2 748	.1	1.1	.8	43.8	54.1	46.6	27.8	25.6	38.8
PLACE										
Anchorage city -----	82 702	81.6	1.0	14.0	1.0	2.4	6.2	35.6	58.2	3.4
College CDP -----	3 764	1.1	1.2	6.8	80.4	10.5	7.6	32.9	59.5	4.9
Fairbanks city -----	10 885	3.5	.9	8.2	72.3	15.1	11.4	40.4	48.3	8.2
Juneau city -----	9 902	.1	1.4	30.4	61.3	6.7	9.8	37.6	52.6	4.8

Table 31. Homeowner and Renter Characteristics: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	All owner-occupied housing units			Specified owner-occupied housing units						All renter-occupied housing units				
	Total	Percent with house- holder moved into unit—		With a mortgage			Not mortgaged			Total	Percent with house- holder moved into unit—		Specified renter paying cash rent	
		1989 to March 1990	1969 or earlier	Total	Median selected monthly owner costs (dollars)	Median selected monthly owner costs as a percentage of house- hold income in 1989	Total	Median selected monthly owner costs (dollars)	Median selected monthly owner costs as a percentage of house- hold income in 1989		1989 to March 1990	1969 or earlier	Median gross rent (dollars)	Median gross rent as a per- centage of household income in 1989
The State -----	106 000	13.2	8.2	59 489	1 059	21.5	18 370	232	12.2	82 915	58.2	.6	559	23.8
One Representative or Large	106 000	13.2	8.2	59 489	1 059	21.5	18 370	232	12.2	82 915	58.2	.6	559	23.8
BOROUGH AND CENSUS AREA														
Aleutians East Borough	327	7.6	14.7	119	331	13.5	149	232	11.6	206	54.9	—	602	14.5
Aleutians West Census Area	330	15.5	21.2	118	465	20.0	159	342	13.9	1 515	58.9	.3	441	16.0
Anchorage Borough	43 664	14.3	7.5	30 163	1 192	22.6	3 077	288	11.4	39 038	59.5	.3	564	24.8
Bethel Census Area	2 118	8.9	13.2	520	459	21.6	1 314	197	15.8	1 487	48.4	.8	534	20.7
Bristol Bay Borough	198	9.1	16.2	55	842	17.7	104	229	11.0	209	50.7	1.4	549	14.6
Dillingham Census Area	768	8.6	12.6	231	650	16.5	422	190	13.8	447	61.7	2.0	592	20.5
Fairbanks North Star Borough	13 083	10.2	7.6	7 291	1 039	21.4	2 133	267	11.3	13 610	58.1	.3	534	26.2
Haines Borough	514	13.4	8.2	192	779	18.1	114	190	12.4	277	52.7	—	470	17.8
Juneau Borough	5 764	13.9	8.2	3 331	1 099	20.3	606	286	11.6	4 138	58.6	1.4	653	23.9
Kenai Peninsula Borough	9 677	13.7	7.2	4 847	872	19.2	1 919	196	11.4	4 573	63.9	.2	479	20.3
Ketchikan Gateway Borough	2 819	12.6	17.9	1 326	972	20.6	531	266	11.5	2 211	53.5	1.6	614	21.6
Kodiak Island Borough	2 040	15.8	8.6	1 045	1 077	20.5	353	285	13.2	2 043	59.5	.3	676	23.5
Lake and Peninsula Borough	354	18.4	14.1	90	313	16.7	207	219	12.9	155	53.5	5.8	535	22.0
Matanuska-Susitna Borough	9 853	12.9	4.9	5 808	900	21.8	1 595	214	11.5	3 541	62.0	.9	508	23.9
Nome Census Area	1 347	6.1	11.7	476	503	23.8	699	235	15.3	1 024	40.7	2.5	698	22.4
North Slope Borough	670	9.3	14.8	281	541	15.4	347	268	12.6	1 003	44.8	.5	724	15.8
Northwest Arctic Borough	884	7.4	10.9	280	443	17.8	492	249	13.9	642	55.6	1.7	762	24.8
Prince of Wales-Outer Ketchikan Census Area	1 247	20.4	9.1	273	467	15.3	371	172	12.1	814	51.5	—	457	15.5
Sitka Borough	1 644	16.2	11.6	728	1 026	18.7	216	226	10.2	1 295	54.6	1.9	610	23.5
Skagway-Yakutat-Angoon Census Area	771	17.6	11.4	243	593	14.7	288	195	11.8	651	45.5	2.5	398	15.4
Southeast Fairbanks Census Area	1 159	9.8	5.3	252	779	20.1	438	147	12.2	750	58.4	—	489	19.6
Valdez-Cordova Census Area	2 210	15.1	8.6	670	1 046	14.6	485	218	13.0	1 215	59.5	.7	564	19.7
Wade Hampton Census Area	929	9.5	6.8	319	322	18.0	570	179	13.2	439	38.7	1.1	443	15.9
Wrangell-Petersburg Census Area	1 676	14.1	14.7	538	817	14.8	543	225	10.9	838	60.0	.5	520	19.5
Yukon-Koyukuk Census Area	1 954	11.9	9.3	293	503	16.2	1 238	147	14.1	794	48.6	2.0	418	17.4
PLACE														
Anchorage city	43 664	14.3	7.5	30 163	1 192	22.6	3 077	288	11.4	39 038	59.5	.3	564	24.8
College CDP	2 031	13.5	6.4	1 282	1 152	22.8	245	296	10.7	1 733	61.1	.3	499	23.0
Fairbanks city	3 384	7.3	16.1	1 915	1 024	21.6	587	299	10.9	7 501	58.2	.5	523	26.0
Juneau city	5 764	13.9	8.2	3 331	1 099	20.3	606	286	11.6	4 138	58.6	1.4	653	23.9

Table 32. Selected Housing Characteristics for American Indian and Alaska Native Areas: 1990

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	All housing units		Occupied housing units with American Indian, Eskimo, or Aleut householder						Vehicles available		Specified owner, median selected monthly owner costs (dollars)		Specified renter paying cash rent, median gross rent (dollars)
	Total	Occupied	Total	Owner occupied	Renter occupied	Lacking complete plumbing facilities	Vehicles available		With a mortgage	Not mort- gaged			
							None	1 or more					
One Representative at Large -----	232 608	188 915	22 373	13 038	9 335	6 917	11 069	11 304	524	205	459		
AMERICAN INDIAN RESERVATION AND TRUST LAND													
All areas -----	527	448	349	275	74	—	82	267	421	216	279		
Annette Islands Reserve, AK -----	527	448	349	275	74	—	82	267	421	216	279		
ALASKA NATIVE VILLAGE STATISTICAL AREA													
All areas -----	28 749	22 318	11 896	8 560	3 336	6 336	7 975	3 921	385	197	424		
Akiak, AK -----	37	18	18	11	7	6	16	2	300—	150	350		
Akiachak, AK -----	128	111	100	74	26	100	66	34	—	150	200—		
Akiak, AK -----	80	67	61	50	11	27	47	14	300—	175	400		
Akutok, AK -----	27	27	19	17	2	—	19	—	300—	183	200—		
Alakonuk, AK -----	139	120	114	104	10	111	98	16	300—	121	875		
Alatna, AK -----	14	12	12	12	—	12	12	—	—	150	—		
Aleknagik, AK -----	82	54	44	41	3	21	21	23	300	121	275		
Alexander, AK -----	24	12	—	—	—	—	—	—	—	—	—		
Allakaket, AK -----	64	49	47	47	—	47	44	3	—	160	—		
Ambler, AK -----	82	74	56	48	8	18	49	7	300—	253	250		
Anaktuvuk Pass, AK -----	82	77	54	38	16	54	16	38	567	400+	792		
Andreafsky, AK -----	138	110	82	59	23	46	54	28	429	209	521		
Angoon, AK -----	161	151	109	45	64	6	46	63	850	191	438		
Aniak, AK -----	175	154	85	35	50	24	51	34	1 125	129	382		
Anvik, AK -----	48	34	28	24	4	23	21	7	—	136	400		
Arctic Village, AK -----	49	34	30	25	5	30	28	2	—	250	400		
Arka, AK -----	44	33	29	26	3	—	24	5	417	350	—		
Atkasook, AK -----	66	52	45	29	16	45	43	2	407	—	478		
Atmautluak, AK -----	69	54	49	24	25	49	25	24	400	164	270		
Barrow, AK -----	922	821	407	186	221	221	219	188	770	272	640		
Beaver, AK -----	53	43	40	22	18	40	34	6	—	100	200—		
Belkofski, AK -----	4	—	—	—	—	—	—	—	—	—	—		
Bethel, AK -----	1 630	1 437	703	314	389	238	359	344	930	223	548		
Bill Moore's, AK -----	3	—	—	—	—	—	—	—	—	—	—		
Birch Creek, AK -----	21	16	16	16	—	16	16	—	—	100	—		
Brevig Mission, AK -----	59	48	46	35	11	46	46	—	408	241	—		
Buckland, AK -----	69	69	66	48	18	66	66	—	414	263	400		
Cantwell, AK -----	88	64	16	6	10	5	4	12	—	150	300		
Canyon Village, AK -----	5	—	—	—	—	—	—	—	—	—	—		
Chalkyitsik, AK -----	49	31	29	29	—	29	27	2	—	100—	—		
Chefornak, AK -----	80	64	60	50	10	60	60	—	300—	280	—		
Chenega, AK -----	42	38	23	23	—	—	23	—	300—	—	—		
Chevak, AK -----	158	141	124	87	37	124	124	—	369	197	242		
Chignik, AK -----	109	46	29	27	2	—	15	14	300—	186	—		
Chignik Lagoon, AK -----	84	24	12	12	—	2	4	8	—	300	—		
Chignik Lake, AK -----	59	36	27	20	7	7	27	—	300—	161	475		
Chilkat, AK -----	63	33	29	24	5	12	2	27	400	283	450		
Chilkoot, AK -----	108	88	9	7	2	—	—	9	1 250	150	875		
Chistochina, AK -----	35	21	11	11	—	11	—	11	—	167	—		
Chitina, AK -----	38	23	9	6	3	5	7	2	—	150	—		
Chuathbaluk, AK -----	30	25	21	17	4	21	18	3	300—	125	—		
Chulloonawick, AK -----	10	—	—	—	—	—	—	—	—	—	—		
Circle, AK -----	32	24	17	8	9	16	13	4	—	200	200		
Clark's Point, AK -----	60	24	19	10	9	7	14	5	—	171	—		
Copper Center, AK -----	237	160	41	30	11	8	14	27	533	250	225		
Council, AK -----	31	2	—	—	—	—	—	—	—	—	—		
Craig, AK -----	504	444	83	59	24	—	21	62	750	336	300		
Crooked Creek, AK -----	51	35	32	20	12	25	29	3	300—	100—	200—		
Deering, AK -----	51	42	39	32	7	39	33	6	520	264	200—		
Dillingham, AK -----	851	691	333	194	139	42	79	254	614	256	504		
Oot Lake, AK -----	24	19	8	8	—	—	4	4	—	150	—		
Eagle, AK -----	34	18	16	16	—	16	9	7	—	100—	—		
Eek, AK -----	79	72	66	37	29	66	62	4	—	147	200—		
Egegik, AK -----	67	49	31	28	3	12	21	10	300	275	—		
Eklutna, AK -----	145	125	11	5	6	4	2	9	300—	—	625		
Eku, AK -----	64	—	—	—	—	—	—	—	—	—	—		
Ekwok, AK -----	44	35	30	29	1	25	27	3	—	100—	625		
Elim, AK -----	122	74	67	55	12	21	57	10	409	175	350		
Emmonak, AK -----	177	166	134	96	38	63	100	34	300—	184	300		
English Bay, AK -----	55	50	47	37	10	9	40	7	300—	100—	200—		
Evansville, AK -----	45	33	12	12	—	5	8	4	—	186	—		
Eyak, AK -----	50	44	2	2	—	—	—	2	1 250	—	—		
False Pass, AK -----	37	25	19	19	—	5	13	6	350	100—	—		
Fart Yukon, AK -----	275	208	165	145	20	86	119	46	—	176	333		
Gakana, AK -----	12	5	—	—	—	—	—	—	—	—	—		
Galena, AK -----	269	173	98	65	33	54	34	64	850	133	388		
Gambell, AK -----	133	121	115	101	14	112	115	—	332	217	531		
Georgetown, AK -----	4	—	—	—	—	—	—	—	—	—	—		
Galavin, AK -----	49	42	38	35	3	23	36	2	350	150	250		
Goodnews Bay, AK -----	72	65	60	49	11	60	51	9	—	238	350		
Grayling, AK -----	62	51	45	42	3	3	27	18	300—	122	200—		
Grause Creek Group, AK -----	242	207	30	27	3	8	2	28	300—	175	200—		
Gulkana, AK -----	60	42	27	20	7	5	6	21	400	300	333		
Hamilton, AK -----	6	—	—	—	—	—	—	—	—	—	—		
Healy Lake, AK -----	49	14	13	13	—	13	4	9	—	150	—		
Haly Cross, AK -----	—	—	—	—	—	—	—	—	—	—	—		
Hoonah, AK -----	251	225	167	123	44	4	60	107	400	234	361		
Hooper Bay, AK -----	209	196	182	141	41	180	176	6	300—	181	267		
Hughes, AK -----	30	23	20	13	7	20	20	—	—	100—	—		
Huslia, AK -----	86	63	58	54	4	27	49	9	—	212	—		
Hydaburg, AK -----	138	121	99	66	33	2	49	50	300—	204	333		
Igiugig, AK -----	12	9	2	2	—	2	2	—	—	350	—		
Iliamna, AK -----	27	18	13	7	6	2	2	11	850	267	667		
Inalik, AK -----	45	45	42	7	35	41	42	—	400	160	—		
Ivanof Bay, AK -----	12	8	5	—	5	5	5	—	—	—	400		
Kake, AK -----	264	218	161	137	24	2	49	112	431	217	400		
Kaktavik, AK -----	93	79	54	32	22	49	46	8	577	—	625		
Kalskag, AK -----	54	51	32	22	10	24	31	1	300	156	380		
Katag, AK -----	84	73	66	63	3	30	56	10	383	220	200—		

Table 32. Selected Housing Characteristics for American Indian and Alaska Native Areas: 1990—Con.

[Data based on a sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	All housing units		Occupied housing units with American Indian, Eskima, or Aleut householder								
	Total	Occupied	Total	Owner occupied	Renter occupied	Lacking complete plumbing facilities	Vehicles available		Specified owner, median selected monthly owner costs (dollars)		Specified renter paying cash rent, median gross rent (dollars)
							None	1 or more	With a mortgage	Not mort- gaged	
One Representative at Large—Can.											
ALASKA NATIVE VILLAGE STATISTICAL AREA—Con.											
Karluk, AK	33	25	19	19	—	—	14	5	400	—	—
Kasaan, AK	30	20	17	8	9	—	5	12	—	180	450
Kasigluk, AK	102	88	77	47	30	77	59	18	300—	203	277
Kiana, AK	125	91	76	67	9	37	50	26	431	242	563
King Cove, AK	129	90	50	40	10	—	11	39	650	246	708
King Salmon, AK	233	161	23	18	5	—	—	23	1 250	243	875
Kipnuk, AK	132	103	97	94	3	97	97	—	373	317	—
Kivalina, AK	66	62	57	38	19	57	57	—	—	265	460
Klawack, AK	275	233	108	68	40	7	10	98	387	221	563
Knik, AK	175	104	7	7	—	2	—	7	300—	150	—
Kobuk, AK	26	20	15	12	3	15	12	3	375	100—	—
Kakhanak, AK	37	34	30	28	2	30	24	6	300—	100—	400
Kaliganek, AK	55	49	41	34	7	23	41	—	—	175	200
Kongiganak, AK	72	64	61	61	—	61	55	6	300—	250	—
Kotlik, AK	110	101	97	79	18	95	97	—	300—	197	813
Kotzebue, AK	911	764	479	230	249	109	316	163	746	272	779
Kayuk, AK	69	60	53	44	9	53	49	4	429	163	—
Kayukuk, AK	48	38	36	33	3	34	32	4	—	129	200—
Kwethluk, AK	138	127	112	96	16	112	106	6	300	163	833
Kwigillingak, AK	79	62	59	54	5	59	57	2	600	235	875
Lake Minchumina, AK	33	12	—	—	—	—	—	—	—	—	—
Larsen Bay, AK	77	47	39	35	4	6	10	29	300—	340	250
Levelock, AK	42	36	32	17	15	9	21	11	400	143	325
Lime Village, AK	19	16	14	10	4	12	14	—	—	250	625
Lower Kalsag, AK	72	66	64	41	23	34	46	18	300	238	225
McGrath, AK	210	175	69	19	50	7	28	41	850	171	388
Manley Hot Springs, AK	119	54	12	12	—	4	6	6	400	150	—
Manokatak, AK	107	90	86	70	16	19	54	32	382	222	450
Marshall, AK	86	73	59	51	8	35	55	4	380	183	250
Mary's Igloo, AK	8	—	—	—	—	—	—	—	—	—	—
Medfra, AK	8	—	—	—	—	—	—	—	—	—	—
Mekaryuk, AK	65	61	61	53	8	61	56	5	400	246	250
Mentasta Lake, AK	50	31	20	11	9	9	5	15	—	125	200—
Minto, AK	90	60	58	52	6	20	42	16	343	160	200—
Mountain Village, AK	186	143	112	76	36	29	59	53	383	211	336
Naknek, AK	268	202	80	54	26	—	15	65	440	217	425
Napaimute, AK	8	—	—	—	—	—	—	—	—	—	—
Napakiok, AK	104	80	75	39	36	43	43	32	—	174	250
Napaskiak, AK	96	71	64	56	8	64	50	14	300—	264	875
Nelson Lagoon, AK	29	25	25	25	—	—	8	17	400	400+	—
Nenana, AK	184	132	55	47	8	7	18	37	300—	171	400
Newhalen, AK	42	40	36	27	9	4	15	21	300—	189	475
New Stuyahok, AK	92	85	80	61	19	21	73	7	389	136	250
Newtok, AK	39	39	32	20	12	32	32	—	—	375	300
Nightmute, AK	35	33	28	28	—	28	22	6	300—	281	—
Nikolai, AK	46	44	41	31	10	38	38	3	—	114	225
Nikolski, AK	27	21	17	17	—	—	17	—	360	100—	—
Ninilchik, AK	5 199	3 753	147	114	33	11	27	120	480	187	408
Noatak, AK	85	74	66	50	16	66	66	—	400	100—	—
Nondalton, AK	64	53	44	32	12	27	32	12	—	192	400
Noorvik, AK	127	109	95	79	16	43	92	3	392	300	607
Northway, AK	33	26	20	18	2	20	3	17	—	173	—
Nuiqsut, AK	100	90	79	55	24	22	54	25	417	363	456
Nulato, AK	126	99	94	84	10	94	55	39	300—	141	200—
Nunapitchuk, AK	95	85	83	56	27	82	63	20	813	173	288
Ohogamiut, AK	2	—	—	—	—	—	—	—	—	—	—
Old Harbor, AK	112	87	71	66	5	4	48	23	300—	195	267
Oscarville, AK	15	10	10	8	2	10	7	3	300—	225	250
Ouzinkie, AK	75	63	56	52	4	1	45	11	356	160	400
Paimiut, AK	2	—	—	—	—	—	—	—	—	—	—
Pedro Bay, AK	38	19	19	19	—	8	19	—	—	200	—
Pelican, AK	100	85	23	9	14	—	21	2	600	270	367
Perryville, AK	46	31	29	27	2	21	21	8	—	350	625
Pilot Point, AK	57	18	15	13	2	10	9	6	417	275	—
Pilot Station, AK	124	101	94	64	30	47	84	10	367	169	250
Pitkas Point, AK	43	33	29	18	11	29	25	4	378	150	200
Platinum, AK	52	25	23	21	2	21	17	6	—	294	—
Paint Hape, AK	174	143	126	54	72	126	116	10	456	327	539
Paint Lay, AK	47	43	38	20	18	38	25	13	300—	238	813
Partage Creek, AK	21	2	—	—	—	—	—	—	—	—	—
Port Graham, AK	72	60	56	42	14	3	41	15	300—	167	243
Port Heiden, AK	68	48	35	28	7	3	11	24	342	300	—
Port Lions, AK	101	70	41	40	1	3	13	28	338	186	400
Quinhagak, AK	132	123	112	82	30	112	105	7	318	167	267
Rampart, AK	43	25	25	25	—	25	19	6	—	100—	—
Red Devil, AK	21	15	8	8	—	5	5	3	—	150	—
Ruby, AK	92	61	33	20	13	30	18	15	—	183	200
Russian Mission, AK	59	57	51	42	9	44	51	—	—	153	875
St. George, AK	69	46	37	28	9	—	17	20	—	300	429
St. Mary's, AK	15	8	6	6	—	6	6	—	—	150	—
St. Michael, AK	80	72	58	47	11	58	51	7	300—	257	300
St. Paul, AK	175	153	126	104	22	—	56	70	415	390	563
Salamatof, AK	424	266	24	6	18	—	9	15	850	150	375
Sand Point, AK	274	243	141	109	32	2	37	104	300—	208	483
Savaanga, AK	129	116	107	83	24	107	103	4	300	278	400
Saxman, AK	100	92	66	52	14	—	8	58	469	300	425
Scamman Bay, AK	101	87	83	72	11	34	83	—	329	147	400
Selawik, AK	152	127	113	83	30	113	113	—	406	241	400
Seldavik, AK	221	126	15	14	1	—	1	14	730	250	200—
Shageluk, AK	46	39	37	31	6	37	25	12	—	143	400

Table 32. Selected Housing Characteristics for American Indian and Alaska Native Areas: 1990—Con.

[Data based on sample and subject to sampling variability, see text. For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	All housing units		Occupied housing units with American Indian, Eskimo, or Aleut householder								
	Total	Occupied	Total	Owner occupied	Renter occupied	Locking complete plumbing facilities	Vehicles available		Specified owner, median selected monthly owner costs (dollars)		Specified renter paying cash rent, median gross rent (dollars)
							None	1 or more	With mortgage	Not mortgaged	
One Representative of Large—Con.											
ALASKA NATIVE VILLAGE STATISTICAL AREA—Con.											
Shoktoolik, AK	61	49	45	34	11	15	38	7	400	208	200—
Sheldon Point, AK	34	28	20	—	20	20	17	3	—	—	350
Shishmaref, AK	135	118	108	83	25	108	108	—	403	271	440
Shungnak, AK	73	59	51	41	10	22	41	10	300—	160	—
Slono, AK	37	29	3	3	—	3	—	3	—	—	—
Sleetmute, AK	46	41	30	26	4	27	30	—	—	100—	—
Solomon, AK	4	4	4	4	—	4	4	—	—	100—	—
South Noknek, AK	93	42	24	24	—	8	5	19	433	275	—
Stebbins, AK	91	90	81	66	15	81	81	—	400	160	333
Stevens Village, AK	54	37	37	29	8	37	37	—	—	134	283
Stony River, AK	25	17	17	13	4	17	15	2	—	100—	400
Tokota, AK	38	14	4	4	—	4	4	—	—	150	—
Tonocross, AK	56	37	37	37	—	14	8	29	—	143	—
Tonono, AK	163	116	81	41	40	74	66	15	300—	117	200—
Totitlek, AK	52	31	26	23	3	1	26	—	300—	150	—
Tozline, AK	101	82	20	19	1	7	3	17	750	150	625
Telido, AK	6	2	—	—	—	—	—	—	—	—	—
Teller, AK	69	49	40	13	27	40	30	10	—	300	267
Tenakee Springs, AK	143	53	10	—	10	10	10	—	—	—	217
Tetlin, AK	50	30	25	22	3	25	15	10	—	119	—
Togiak, AK	203	154	127	121	6	62	78	49	300—	216	250
Tok, AK	561	367	26	20	6	16	8	18	600	183	625
Toksook Bay, AK	106	89	82	69	13	11	77	5	313	253	—
Tuluksak, AK	95	79	69	62	7	69	56	13	300—	100—	—
Tuntutuliak, AK	82	76	70	64	6	70	68	2	300—	182	200—
Tununok, AK	87	73	66	54	12	66	54	12	300—	128	—
Twin Hills, AK	32	20	17	15	2	4	13	4	—	150	—
Tyonek, AK	94	55	52	34	18	—	33	19	300—	188	282
Ugashik, AK	21	5	3	3	—	3	1	2	—	400+	—
Ukivok, AK	18	—	—	—	—	—	—	—	—	—	—
Unalakleet, AK	234	200	153	120	33	26	116	37	406	253	489
Unalaska, AK	673	575	69	53	16	11	28	41	433	200	400
Venetie, AK	65	51	45	39	6	45	42	3	—	250	—
Wainwright, AK	160	133	114	91	23	93	75	39	462	317	625
Wales, AK	68	51	41	27	14	41	37	4	533	218	400
White Mountain, AK	66	55	46	33	13	44	46	—	300—	136	320
Wiseman, AK	35	10	—	—	—	—	—	—	—	—	—
Yukutat, AK	194	182	87	53	34	9	27	60	500	225	521
ALASKA NATIVE REGIONAL CORPORATION											
Ahtu	2 753	1 170	180	133	47	70	39	141	500	188	269
Aleut	2 742	2 378	605	491	114	18	232	373	378	295	477
Arctic Slope	2 153	1 673	1 027	581	446	748	656	371	527	262	594
Bering Strait	3 684	2 371	1 497	991	506	922	1 182	315	399	241	584
Bristol Bay	3 201	2 105	1 268	962	306	379	650	618	392	204	450
Colisto	6 228	4 973	3 785	2 664	1 121	2 742	2 975	810	340	187	382
Chugach	4 840	3 854	405	264	141	28	181	224	300—	193	372
Cook Inlet	132 254	108 851	5 272	2 172	3 100	112	1 274	3 998	945	205	445
Dayon	39 781	31 272	3 037	1 715	1 322	1 116	1 604	1 433	671	157	439
Koniag	4 889	4 083	637	426	211	36	222	415	496	237	519
NANA	1 998	1 526	1 131	743	388	603	911	220	419	245	702
Sealaska	27 558	24 211	3 180	1 621	1 559	143	1 061	2 119	650	229	495

Table 33. Percent in Sample, Standard Error, and Confidence Bounds for Population Characteristics: 1990

[For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	Persons		Per capita income in 1989 (dollars) — Standard error	Median income in 1989 (dollars)					
	100-percent count	Percent in sample		Household		Family		Nonfamily household	
				90-percent confidence bounds		90-percent confidence bounds		90-percent confidence bounds	
				Lower	Upper	Lower	Upper	Lower	Upper
				The State -----	550 043	20.2	62	41 136	41 680	46 226	46 936	28 123	29 080
One Representative of Large -----	550 043	20.2	62	41 136	41 680	46 226	46 936	28 123	29 080
BOROUGH AND CENSUS AREA									
Aleutians East Borough -----	2 464	33.5	648	40 826	46 748	42 190	51 097	24 807	38 693
Aleutians West Census Area -----	9 478	31.3	259	32 878	36 691	31 980	35 929	31 754	40 799
Anchorage Borough -----	226 338	13.5	133	43 292	44 601	49 372	50 823	29 494	30 928
Bethel Census Area -----	13 656	47.5	140	24 498	26 310	24 461	26 675	17 797	23 019
Bristol Bay Borough -----	1 410	37.4	707	45 190	53 694	52 156	62 638	26 987	34 680
Dillingham Census Area -----	4 012	41.4	360	26 941	30 991	28 171	34 296	15 967	23 428
Fairbanks North Star Borough -----	77 720	16.3	165	36 697	38 340	40 461	42 957	25 353	27 949
Haines Borough -----	2 117	42.2	528	33 374	38 609	40 216	47 699	22 838	26 219
Juneau Borough -----	26 751	14.7	318	46 604	49 367	52 286	55 948	30 743	33 597
Kenoi Peninsula Borough -----	40 802	19.9	245	41 365	43 744	46 859	49 893	24 420	28 447
Ketchikan Gateway Borough -----	13 828	18.0	401	43 234	47 026	49 944	53 658	27 407	31 444
Kodiak Island Borough -----	13 309	33.1	327	43 427	46 249	46 284	49 023	26 555	32 385
Lake and Peninsula Borough -----	1 668	43.7	650	21 950	27 185	24 294	29 231	10 990	16 348
Motanuska-Susitna Borough -----	39 683	16.2	235	39 729	41 698	43 858	46 375	21 756	25 774
Nome Census Area -----	8 288	30.9	267	28 005	32 079	27 673	32 763	17 434	28 304
North Slope Borough -----	5 979	46.5	335	49 049	52 275	50 425	55 734	35 014	42 253
Northwest Arctic Borough -----	6 113	46.1	223	31 845	34 698	31 739	34 717	20 778	29 991
Prince of Woies-Outer Ketchikan Census Area -----	6 278	44.2	257	38 378	40 553	41 553	44 683	22 943	26 901
Sitka Borough -----	8 588	16.3	454	41 341	45 359	45 135	52 012	26 700	34 958
Skogway-Yakutat-Angoon Census Area -----	4 385	41.0	327	36 862	40 510	41 975	45 406	21 736	27 347
Southeast Fairbanks Census Area -----	5 913	43.5	255	28 583	31 519	30 502	33 946	16 633	21 111
Voldez-Cordova Census Area -----	9 952	32.4	438	45 650	50 586	50 914	55 145	29 553	34 969
Wode Hampton Census Area -----	5 791	47.4	159	19 566	21 580	21 304	23 575	9 729	12 358
Wrangell-Petersburg Census Area -----	7 042	31.3	419	40 487	43 855	46 733	51 311	23 526	29 099
Yukon-Koyukuk Census Area -----	8 478	42.9	218	22 247	25 547	26 017	28 776	12 158	15 007
PLACE									
Anchorage city -----	226 338	13.5	133	43 292	44 601	49 372	50 823	29 494	30 928
College CDP -----	11 249	13.6	535	40 479	46 667	46 546	52 399	25 859	31 681
Fairbanks city -----	30 843	13.7	269	31 102	33 150	32 370	36 022	22 965	27 609
Juneau city -----	26 751	14.7	318	46 604	49 367	52 286	55 948	30 743	33 597

Table 34. Percent in Sample and Confidence Bounds for Housing Characteristics: 1990

[For definitions of terms and meanings of symbols, see text]

State Congressional District Borough and Census Area Place [10,000 or More Persons]	Housing units		Median selected monthly owner costs (dollars)				Median selected monthly owner costs as a percent- age of household income in 1989				Median gross rent (dollars)		Median gross rent as a percentage of household income in 1989	
	100-percent count	Percent in sample	With a mortgage		Not mortgaged		With a mortgage		Not mortgaged		90-percent confidence bounds		90-percent confidence bounds	
			90-percent confidence bounds		90-percent confidence bounds		90-percent confidence bounds		90-percent confidence bounds		Lower	Upper	Lower	Upper
			Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper				
The State -----	232 608	21.0	1 051	1 066	228	235	21.4	21.7	11.9	12.5	555	563	23.6	24.0
One Representative at Large -----	232 608	21.0	1 051	1 066	228	235	21.4	21.7	11.9	12.5	555	563	23.6	24.0
BOROUGH AND CENSUS AREA														
Aleutians East Borough -----	693	47.0	307	355	210	255	11.4	15.7	9.9	13.3	555	622	12.3	16.7
Aleutians West Census Area -----	2 051	46.8	441	489	305	366	16.8	22.5	11.9	15.8	429	456	14.8	17.2
Anchorage Borough -----	94 153	13.5	1 178	1 207	279	297	22.3	22.9	10.5	12.2	557	571	24.5	25.3
Bethel Census Area -----	4 362	48.0	396	561	192	204	20.0	23.2	15.0	16.5	515	555	19.7	21.6
Bristol Bay Borough -----	596	45.3	630	1 089	211	247	13.4	22.3	9.0	13.1	523	600	12.5	16.7
Dillingham Census Area -----	1 691	44.0	527	783	182	199	14.5	18.5	12.6	15.1	530	641	18.4	22.5
Fairbanks North Star Borough -----	31 821	16.5	1 017	1 061	256	278	20.8	21.9	10.3	12.2	524	544	25.5	26.9
Haines Borough -----	1 112	44.4	735	831	145	220	15.7	20.5	10.1	14.6	451	489	15.6	20.1
Juneau Borough -----	10 638	14.7	1 062	1 135	259	313	19.2	21.0	9.7	13.4	633	678	23.1	24.8
Kenai Peninsula Borough -----	19 364	21.4	854	891	188	206	18.3	20.1	10.6	12.3	467	491	19.2	21.4
Ketchikan Gateway Borough -----	5 463	17.1	939	1 006	245	286	18.9	21.7	9.7	13.4	593	637	20.4	22.7
Kodiak Island Borough -----	4 885	35.9	1 046	1 108	268	301	19.2	21.4	11.6	14.8	651	700	22.5	24.5
Lake and Peninsula Borough -----	991	46.9	289	341	200	238	13.6	19.7	11.3	14.5	504	567	17.0	26.6
Matanuska-Susitna Borough -----	20 953	17.8	878	921	202	226	21.2	22.4	10.4	12.5	490	534	22.7	25.2
Nome Census Area -----	3 684	33.1	463	570	226	244	22.4	25.3	14.0	16.7	651	718	21.3	23.4
North Slope Borough -----	2 153	47.4	510	571	247	292	13.8	17.0	11.4	13.7	697	753	14.9	16.7
Northwest Arctic Borough -----	1 998	47.9	424	462	237	259	16.0	19.7	12.8	14.9	725	800	23.0	26.2
Prince of Wales-Outer Ketchikan Census Area -----	2 543	46.5	432	504	160	184	13.7	17.0	11.0	13.2	431	478	14.4	16.6
Sitka Borough -----	3 222	16.1	969	1 079	192	262	16.1	20.8	7.6	12.9	577	637	22.2	24.8
Skagway-Yakutat-Angoon Census Area -----	2 102	43.7	553	625	185	210	13.0	16.5	10.5	13.1	382	428	14.2	16.7
Southeast Fairbanks Census Area -----	3 149	46.5	729	829	138	156	17.9	22.0	11.2	13.2	462	510	17.4	21.4
Valdez-Cordova Census Area -----	5 196	36.9	1 007	1 085	200	237	13.4	15.8	11.7	14.3	544	584	18.3	20.9
Wade Hampton Census Area -----	1 882	48.8	310	335	173	185	16.3	19.7	12.3	14.2	395	532	14.1	17.6
Wrangell-Petersburg Census Area -----	3 005	32.9	767	877	214	236	13.3	16.3	9.8	12.0	503	538	17.8	21.3
Yukon-Koyukuk Census Area -----	4 899	47.9	441	601	141	153	14.6	17.8	13.4	14.8	395	441	16.1	18.6
PLACE														
Anchorage city -----	94 153	13.5	1 178	1 207	279	297	22.3	22.9	10.5	12.2	557	571	24.5	25.3
College CDP -----	4 255	14.0	1 108	1 197	265	331	21.5	24.1	7.9	13.4	462	527	21.2	24.7
Fairbanks city -----	12 537	13.6	981	1 074	280	322	20.4	22.8	9.0	12.8	510	537	24.9	27.1
Juneau city -----	10 638	14.7	1 062	1 135	259	313	19.2	21.0	9.7	13.4	633	678	23.1	24.8

Table 35. Percent in Sample, Standard Error, and Confidence Bounds for American Indian and Alaska Native Areas: 1990

[For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	Persons		Housing units		Per capita income in 1989 (dollars) for American Indian, Eskimo, or Aleut per- sons—Stan- dard error	Occupied housing units with an American Indian, Eskimo, or Aleut householder					
	100-percent count	Percent in sample	100-percent count	Percent in sample		Median selected monthly owner costs (dollars)				Median gross rent (dollars)	
						With a mortgage		Not mortgaged		90-percent confidence bounds	
						90-percent confidence bounds		90-percent confidence bounds		90-percent confidence bounds	
						Lower	Upper	Lower	Upper	Lower	Upper
One Representative at Large -----	550 043	20.2	232 608	21.0	51	495	559	198	211	450	468
AMERICAN INDIAN RESERVATION AND TRUST LAND											
All areas -----	1 469	46.6	529	48.8	443	385	458	195	236	190	355
Annette Islands Reserve, AK -----	1 469	46.6	529	48.8	443	385	458	195	236	190	355
ALASKA NATIVE VILLAGE STATISTICAL AREA											
All areas -----	77 700	40.3	28 744	42.1	65	376	394	193	201	410	438
Akiak, AK -----	77	40.3	35	45.7	2 084	82	294	—	200	81	460
Akiachok, AK -----	483	20.5	130	24.6	501	—	—	122	178	64	278
Akiak, AK -----	285	52.6	80	47.5	346	69	232	141	219	323	477
Akutan, AK -----	589	21.1	34	47.1	708	52	249	137	244	—	200
Alakanuk, AK -----	544	43.2	140	49.3	334	126	250	96	147	755	995
Alatna, AK -----	31	32.3	14	42.9	457	—	—	123	177	—	—
Aleknagik, AK -----	185	48.1	84	50.0	1 359	126	416	84	158	204	981
Alexander, AK -----	40	15.0	28	35.7	—	—	—	—	—	—	—
Allakaket, AK -----	138	46.4	61	50.8	411	—	—	133	186	—	—
Ambler, AK -----	311	46.0	79	46.8	430	112	352	218	288	214	286
Anaktuvuk Pass, AK -----	259	51.7	81	45.7	601	473	651	455	679	349	959
Andreafsky, AK -----	410	48.8	138	49.3	517	343	525	173	257	277	672
Angeon, AK -----	638	50.0	166	48.8	473	394	1 266	158	229	395	481
Aniak, AK -----	540	46.9	175	48.0	674	329	1 463	101	156	320	444
Anvik, AK -----	82	37.8	47	46.8	790	—	—	96	175	—	500
Arctic Village, AK -----	96	46.9	50	46.0	510	—	—	216	284	—	500
Atka, AK -----	98	54.1	41	48.8	1 105	364	469	326	374	—	—
Atkasook, AK -----	216	53.2	64	50.0	1 076	375	440	—	—	405	691
Atmautluak, AK -----	258	42.2	67	46.3	370	333	467	133	194	230	328
Barrow, AK -----	2 763	46.4	933	46.5	458	662	927	239	306	567	712
Beaver, AK -----	103	42.7	52	44.2	1 235	—	—	61	139	62	338
Belkafski, AK -----	—	—	4	50.0	—	—	—	—	—	—	—
Bethel, AK -----	4 674	48.1	1 624	49.0	233	871	990	207	239	506	589
Bill Moore's, AK -----	—	—	3	66.7	—	—	—	—	—	—	—
Birch Creek, AK -----	42	40.5	21	47.6	271	—	—	57	158	—	—
Brevig Mission, AK -----	198	47.5	64	50.0	406	357	458	208	274	—	—
Buckland, AK -----	318	49.7	70	48.6	344	380	447	235	290	302	498
Cantwell, AK -----	147	42.2	85	48.2	1 622	—	—	91	309	230	439
Canyon Village, AK -----	—	—	5	40.0	—	—	—	—	—	—	—
Chalkyitsik, AK -----	90	55.6	52	48.1	415	—	—	62	134	—	—
Chefarnak, AK -----	320	46.9	79	50.6	317	151	300	240	325	—	—
Chenega, AK -----	94	55.3	34	44.1	1 490	163	384	—	—	—	—
Chevok, AK -----	598	51.0	164	48.2	207	336	402	160	238	171	293
Chignik, AK -----	188	35.6	104	50.0	1 058	136	485	145	292	—	—
Chignik Lagoon, AK -----	53	69.8	83	50.6	3 067	—	—	180	347	—	—
Chignik Lake, AK -----	133	20.3	57	24.6	810	7	294	108	364	—	750
Chilkot, AK -----	129	58.9	66	48.5	1 773	336	464	230	354	303	742
Chilkoot, AK -----	221	49.8	110	50.0	2 676	—	1 500	109	191	—	1 000
Chistochina, AK -----	60	60.0	34	50.0	2 073	—	—	128	216	—	—
Chitina, AK -----	49	63.3	37	45.9	2 456	—	—	105	195	—	—
Chuotbaluk, AK -----	97	49.5	33	42.4	319	50	1 337	33	252	—	—
Chulloonawick, AK -----	—	—	10	50.0	—	—	—	—	—	—	—
Circle, AK -----	73	46.6	31	61.3	652	—	—	154	328	94	280
Clark's Point, AK -----	60	40.0	55	49.1	1 286	—	—	134	222	—	—
Copper Center, AK -----	449	43.0	244	49.6	770	430	637	176	336	138	271
Council, AK -----	8	37.5	32	40.6	—	—	—	—	—	—	—
Craig, AK -----	1 260	46.4	504	45.8	1 301	469	1 078	191	374	191	549
Crooked Creek, AK -----	106	41.5	49	46.9	572	90	271	—	100	39	162
Deering, AK -----	157	45.2	54	51.9	762	375	615	230	297	—	200
Dillingham, AK -----	2 017	36.8	851	40.3	684	494	798	205	314	400	593
Dot Lake, AK -----	53	50.9	23	52.2	3 077	—	—	54	246	—	—
Eagle, AK -----	35	57.1	36	47.2	961	—	—	29	72	—	—
Eek, AK -----	254	53.9	80	50.0	390	—	—	131	163	86	198
Egegik, AK -----	122	45.1	66	50.0	2 906	54	464	227	393	—	—
Eklutna, AK -----	381	33.9	139	33.8	493	—	300	—	—	—	750
Ekuk, AK -----	3	—	65	49.2	—	—	—	—	—	—	—
Ekwak, AK -----	77	58.4	39	51.3	1 399	—	—	63	130	—	750
Elim, AK -----	264	46.2	121	49.6	462	366	451	129	228	248	452
Emmanak, AK -----	642	46.7	172	47.1	449	128	401	164	204	52	1 744
English Bay, AK -----	158	53.2	51	47.1	1 574	92	209	43	133	23	178
Evansville, AK -----	69	36.2	44	43.2	2 180	—	—	139	376	—	—
Eyak, AK -----	172	43.6	62	45.2	—	—	1 500	—	—	—	—
False Pass, AK -----	68	36.8	36	50.0	841	204	432	34	144	—	—
Fort Yukon, AK -----	580	50.5	272	47.4	450	—	—	156	196	239	545
Gakona, AK -----	25	20.0	12	41.7	—	—	—	—	—	—	—
Galena, AK -----	833	32.4	286	49.3	525	725	975	98	169	294	488
Gambell, AK -----	525	44.2	132	48.5	271	259	382	188	246	384	671
Georgetown, AK -----	—	—	4	50.0	—	—	—	—	—	—	—
Golovin, AK -----	127	36.2	49	46.9	550	244	426	75	225	—	300
Goodnews Bay, AK -----	241	48.1	72	48.6	402	—	—	205	272	93	454
Grayling, AK -----	208	38.5	62	43.5	530	117	345	72	166	—	200
Grause Creek Group, AK -----	580	44.0	232	47.0	1 662	147	317	—	400	—	200
Gulkana, AK -----	103	48.5	60	46.7	2 610	—	500	174	376	227	464
Hamilton, AK -----	—	—	6	50.0	—	—	—	—	—	—	—
Healy Lake, AK -----	47	55.3	47	48.9	1 859	—	—	112	188	—	—
Holy Cross, AK -----	—	—	—	—	—	—	—	—	—	—	—
Haanah, AK -----	795	19.2	268	24.3	684	333	467	180	292	292	426
Hooper Bay, AK -----	845	49.7	203	50.2	258	152	252	167	194	161	459
Hughes, AK -----	54	50.0	29	51.7	790	—	—	52	147	—	—
Huslia, AK -----	207	43.0	85	48.2	661	—	—	180	236	—	—

Table 35. Percent in Sample, Standard Error, and Confidence Bounds for American Indian and Alaska Native Areas: 1990—Con.

[For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	Persons		Housing units		Per capita income in 1989 (dollars) for American Indian, Eskimo, or Aleut per- sons—Stan- dord error	Occupied housing units with an American Indian, Eskimo, or Aleut householder					
	100-percent count	Percent in sample	100-percent count	Percent in sample		Medion selected monthly owner costs (dollors)				Medion gross rent (dollors)	
						With a mortgage		Not mortgaged		90-percent confidence bounds	
						90-percent confidence bounds		90-percent confidence bounds			
						Lower	Upper	Lower	Upper	Lower	Upper
One Representative of Large—Con. ALASKA NATIVE VILLAGE STATISTICAL AREA—Con.											
Hydaburg, AK	384	43.5	135	46.7	549	148	295	158	240	198	394
Igiugig, AK	33	42.4	16	25.0	—	—	—	—	400	—	—
Iliamna, AK	94	34.0	36	38.9	3 353	—	1 000	—	801	—	2 001
Inalik, AK	178	50.0	41	51.2	385	—	500	121	199	—	—
Ivanof Bay, AK	35	25.7	14	50.0	541	—	—	—	—	—	500
Kaktovik, AK	700	45.9	265	48.7	579	396	465	194	238	176	624
Kalskog, AK	224	52.7	82	48.8	830	504	650	—	—	463	769
Kalskog, AK	172	51.2	51	49.0	792	49	468	126	185	157	486
Karluk, AK	240	45.0	74	50.0	924	311	456	181	261	6	195
Karluk, AK	71	59.2	27	48.1	378	350	450	—	—	—	—
Kasaan, AK	54	38.9	30	46.7	3 748	—	—	130	350	262	634
Kasigluk, AK	425	47.5	105	50.5	348	73	270	173	229	244	324
Kiona, AK	385	44.9	124	46.8	510	372	490	204	281	293	1 378
King Cove, AK	451	37.3	127	49.6	1 925	52	1 415	210	282	554	919
King Salmon, AK	696	32.0	228	44.3	2 301	—	1 500	201	285	772	978
Kipnuk, AK	470	50.2	128	50.0	285	326	421	301	332	—	—
Kivolina, AK	317	44.2	71	45.1	344	—	—	241	290	357	881
Klawock, AK	722	39.6	281	41.3	1 080	319	455	164	279	446	682
Knik, AK	272	48.5	178	47.2	2 477	—	300	—	200	—	—
Kobuk, AK	69	52.2	24	50.0	911	199	467	20	81	—	—
Kokhonok, AK	152	43.4	41	48.8	381	66	235	59	179	—	500
Koliganek, AK	181	47.5	53	50.9	299	—	—	136	212	39	281
Kongiganok, AK	294	45.2	67	46.3	441	—	300	217	283	—	—
Kotlik, AK	461	45.8	109	48.6	350	151	292	159	269	704	996
Kotzebue, AK	2 751	46.6	911	47.3	330	497	891	250	294	717	827
Koyuk, AK	231	51.1	70	47.1	503	320	537	82	232	—	—
Koyukuk, AK	126	47.6	50	46.0	753	—	—	88	172	—	300
Kwethluk, AK	558	48.9	138	50.0	338	126	1 082	146	180	589	970
Kwigillingok, AK	278	40.6	78	50.0	477	526	674	202	268	—	1 000
Lake Minchumina, AK	32	12.5	34	41.2	—	—	—	—	—	—	—
Larsen Bay, AK	147	62.6	74	47.3	1 724	172	511	310	370	—	300
Levelock, AK	105	54.3	46	52.2	925	330	470	111	175	238	443
Lime Village, AK	42	64.3	17	52.9	1 170	—	—	64	373	—	750
Lower Kalskog, AK	291	51.5	73	49.3	373	124	457	214	261	64	373
McGrath, AK	528	43.9	207	46.9	629	—	1 000	121	238	338	438
Monley Hot Springs, AK	96	45.8	115	46.1	1 400	—	500	106	194	—	—
Monokotok, AK	385	45.7	107	44.9	409	306	458	191	254	254	909
Marshall, AK	273	48.0	83	49.4	551	333	427	132	235	34	466
Mory's Igloo, AK	—	—	8	50.0	—	—	—	—	—	—	—
Medfra, AK	—	—	8	50.0	—	—	—	—	—	—	—
Mekoryuk, AK	177	51.4	67	49.3	586	325	475	205	288	202	298
Mentasto Lake, AK	96	58.3	51	49.0	927	—	—	55	264	80	302
Minto, AK	218	51.8	95	49.5	474	300	387	94	222	—	200
Mountain Village, AK	674	43.5	191	46.1	351	346	420	168	265	269	406
Naknek, AK	575	42.6	276	45.3	1 403	344	1 223	179	263	335	531
Napaimute, AK	3	—	9	44.4	—	—	—	—	—	—	—
Nopakiak, AK	318	47.8	105	48.6	285	—	—	151	197	220	280
Nopaskiak, AK	328	50.9	99	50.5	379	92	284	215	311	784	966
Nelson Lagoon, AK	83	15.7	35	22.9	3 664	—	500	339	730	—	—
Nenona, AK	393	42.5	190	46.8	1 309	192	637	143	199	312	488
Newhalen, AK	160	54.4	40	50.0	816	84	333	152	423	366	640
New Stuyahok, AK	391	50.1	95	49.5	587	344	434	94	180	119	381
Newtok, AK	207	58.9	45	51.1	427	—	—	280	516	215	427
Nightmute, AK	153	56.9	36	47.2	461	56	444	236	342	—	—
Nikolai, AK	109	49.5	43	51.2	621	—	—	81	145	105	361
Nikolski, AK	35	45.7	26	50.0	851	294	422	3	98	—	—
Ninilchik, AK	10 523	19.3	5 203	21.2	934	345	1 273	140	253	252	587
Nootak, AK	333	52.3	85	50.6	475	346	454	55	92	—	—
Nondalton, AK	178	41.0	65	47.7	953	—	—	157	259	—	500
Noorvik, AK	531	44.4	125	45.6	450	314	469	259	341	506	709
Northway, AK	113	41.6	37	48.6	793	—	—	140	212	—	—
Nuqsut, AK	354	43.5	102	48.0	698	314	558	298	457	375	581
Nulato, AK	359	46.8	117	46.2	499	133	259	122	160	63	227
Nunapitchuk, AK	378	47.9	97	47.4	689	169	958	151	195	187	377
Ohogamiut, AK	—	—	2	50.0	—	—	—	—	—	—	—
Old Harbor, AK	284	45.1	112	49.1	600	173	350	167	231	211	435
Oscarville, AK	57	35.1	21	33.3	870	—	300	108	296	—	300
Ouzinkie, AK	209	48.8	82	51.2	1 362	298	412	132	188	307	493
Paimiut, AK	—	—	2	50.0	—	—	—	—	—	—	—
Pedro Bay, AK	42	42.9	36	44.4	2 608	—	—	125	275	—	—
Pelicon, AK	222	45.0	98	46.9	2 578	—	700	224	341	212	846
Perryville, AK	108	49.1	45	48.9	2 233	—	—	276	496	—	750
Pilot Point, AK	53	67.9	57	49.1	1 491	343	490	224	611	—	—
Pilot Station, AK	463	47.9	123	49.6	272	310	423	142	195	209	291
Pitkas Point, AK	135	44.4	47	51.1	708	318	437	69	232	40	281
Platinum, AK	64	40.6	45	48.9	1 610	—	—	252	356	—	—
Point Hope, AK	639	51.5	174	48.9	490	406	518	235	366	482	596
Point Lay, AK	139	40.3	48	43.8	1 133	—	300	208	269	—	1 000
Portage Creek, AK	5	20.0	22	50.0	—	—	—	—	—	—	—
Port Graham, AK	166	38.6	68	47.1	2 400	131	298	105	224	187	289
Port Heiden, AK	119	45.4	61	47.5	2 605	246	404	229	371	—	—
Port Lions, AK	222	43.7	103	49.5	1 670	218	423	150	225	—	500
Quinhagak, AK	501	46.1	136	49.3	300	233	372	137	197	155	508
Rampart, AK	68	35.3	42	50.0	1 052	—	—	39	77	—	—
Red Devil, AK	53	39.6	24	37.5	1 465	—	—	—	200	—	—
Ruby, AK	170	47.6	92	43.5	420	—	—	143	338	48	277
Russion Mission, AK	246	47.2	58	46.6	337	—	—	136	171	—	1 000
St. George, AK	138	52.9	67	49.3	1 125	—	—	257	385	357	501
St. Mary's, AK	31	64.5	16	50.0	380	—	—	109	191	—	—
St. Michael, AK	295	49.5	78	51.3	382	83	362	191	313	235	431

Table 35. **Percent in Sample, Standard Error, and Confidence Bounds for American Indian and Alaska Native Areas: 1990—Con.**

[For definitions of terms and meanings of symbols, see text]

Congressional District American Indian/Alaska Native Area	Persons		Housing units		Per capita income in 1989 (dollars) for American Indian, Eskima, or Aleut per- sons—Stan- dard error	Occupied housing units with an American Indian, Eskima, or Aleut householder					
	100-percent count	Percent in sample	100-percent count	Percent in sample		Median selected monthly owner casts (dollars)				Median gross rent (dollars)	
						With o mortgage		Not mortgaged		90-percent confidence bounds	
						90-percent confidence bounds		90-percent confidence bounds			
						Lower	Upper	Lower	Upper	Lower	Upper
One Representative at Large—Con.											
ALASKA NATIVE VILLAGE STATISTICAL AREA—Con.											
Sr. Paul, AK	763	37.1	177	46.9	747	379	451	355	467	437	704
Salamatof, AK	999	37.1	424	47.6	1 252	—	1 000	—	200	278	461
Sand Point, AK	878	35.9	272	46.7	1 215	151	286	173	255	412	603
Savoonga, AK	519	46.8	129	49.6	332	203	406	253	305	—	500
Saxman, AK	369	49.6	105	47.6	818	396	610	127	386	191	636
Scamman Bay, AK	343	47.2	99	47.5	316	241	405	122	172	—	500
Selawik, AK	596	46.3	154	50.0	367	373	438	218	263	342	458
Seldavia, AK	316	42.1	221	43.4	1 857	584	899	208	292	—	200
Shageluk, AK	139	44.6	49	49.0	423	—	—	112	174	95	632
Shaktaalik, AK	178	55.1	58	50.0	948	305	495	169	280	6	195
Sheldon Point, AK	109	59.6	33	54.5	548	—	—	—	—	268	480
Shishmaref, AK	456	47.6	136	50.0	295	371	435	238	309	353	585
Shungnak, AK	223	40.8	68	50.0	1 087	108	275	133	187	—	—
Siana, AK	63	46.0	33	45.5	—	—	—	—	—	—	—
Sleetmute, AK	106	43.4	38	42.1	2 781	—	—	53	162	—	—
Salaman, AK	6	66.7	4	50.0	1 291	—	—	—	100	—	—
South Naknek, AK	136	41.2	90	46.7	1 186	350	549	237	326	—	—
Stebbins, AK	400	46.8	87	50.6	371	—	500	144	175	122	419
Stevens Village, AK	102	48.0	53	47.2	728	—	—	113	155	218	445
Strany River, AK	51	43.1	27	48.1	209	—	—	25	76	—	500
Takatna, AK	38	52.6	40	50.0	1 845	—	—	109	191	—	—
Tanacross, AK	106	39.6	53	47.2	1 224	—	—	123	162	—	—
Tanana, AK	345	46.4	169	47.3	594	93	227	74	163	86	177
Tatitlek, AK	119	48.7	52	50.0	1 570	171	372	116	184	—	—
Tazlina, AK	247	48.2	99	48.5	858	330	1 424	105	195	—	750
Telida, AK	11	9.1	7	42.9	—	—	—	—	—	—	—
Teller, AK	151	47.7	64	51.6	464	—	—	231	476	207	339
Tenakee Springs, AK	94	35.1	139	46.0	793	—	—	—	—	110	264
Tetlin, AK	87	51.7	47	48.9	1 308	—	—	83	149	—	—
Tagiak, AK	613	43.7	200	46.0	345	62	239	195	238	—	300
Tok, AK	935	44.1	561	49.0	1 911	—	700	139	283	—	750
Taksaak Bay, AK	420	51.9	103	50.5	400	224	371	225	281	—	—
Tuluksak, AK	358	53.6	90	48.9	376	138	273	57	111	—	—
Tuntutuliak, AK	300	51.3	76	48.7	561	125	270	160	208	16	185
Tununak, AK	316	49.7	92	50.0	469	165	353	104	152	—	—
Twin Hills, AK	66	33.3	35	45.7	758	—	—	127	173	—	—
Tyonek, AK	154	39.6	92	48.9	599	5	296	148	245	249	378
Ugashik, AK	7	71.4	20	50.0	5 031	—	—	—	801	—	—
Ukivak, AK	—	—	18	50.0	—	—	—	—	—	—	—
Unalakleet, AK	714	20.3	240	24.6	737	347	466	230	276	357	670
Unalaska, AK	3 089	23.8	675	44.4	1 109	378	488	159	351	258	1 420
Venetie, AK	182	48.4	64	48.4	287	—	—	210	290	—	—
Wainwright, AK	492	47.6	160	48.1	482	402	527	259	374	561	689
Wales, AK	161	41.0	66	48.5	801	360	660	178	254	263	593
White Mountain, AK	180	53.9	69	50.7	978	65	236	85	191	104	417
Wiseman, AK	33	12.1	37	48.6	—	—	—	—	—	—	—
Yakutat, AK	534	46.1	189	47.6	876	412	580	159	284	417	619
ALASKA NATIVE REGIONAL CORPORATION											
Ahtna	3 089	39.4	2 714	39.4	664	409	652	161	233	222	347
Aleut	11 942	31.8	2 742	46.8	434	357	400	271	319	431	548
Arctic Slope	5 979	46.5	2 154	47.4	249	491	566	243	281	556	632
Bering Straits	8 288	30.9	3 684	33.1	152	374	424	229	253	543	625
Bristol Bay	7 028	41.0	3 204	45.0	266	363	421	194	216	400	500
Calista	19 447	47.5	6 228	48.3	75	322	358	182	191	356	407
Chugach	11 450	33.4	4 860	36.3	481	236	368	151	238	289	469
Cook Inlet	302 473	14.4	132 266	15.0	121	888	1 004	173	242	431	459
Doyon	91 936	20.4	39 783	22.6	112	579	769	146	168	417	462
Koniag	13 309	33.1	4 890	35.9	348	438	609	215	259	466	585
NANA	6 113	46.1	1 998	47.9	172	399	438	234	256	626	768
Sealaska	67 520	21.9	27 556	23.0	141	594	707	214	245	469	523

APPENDIX A.

Area Classifications

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These definitions are for all geographic entities and concepts that the Census Bureau will include in its standard 1990 census data products. Not all entities and concepts are shown in any one 1990 census data product. For a description of geographic areas included in each data product, see appendix F.

AMERICAN INDIAN AND ALASKA NATIVE AREA

Alaska Native Regional Corporation (ANRC)

Alaska Native Regional Corporations (ANRC's) are corporate entities established under the Alaska Native Claims Settlement Act of 1972, Public Law 92-203, as amended by Public Law 94-204, to conduct both business and nonprofit affairs of Alaska Natives. Alaska is divided into

12 ANRC's that cover the entire State, except for the Annette Islands Reserve. The boundaries of the 12 ANRC's were established by the Department of the Interior, in cooperation with Alaska Natives. Each ANRC was designed to include, as far as practicable, Alaska Natives with a common heritage and common interests. The ANRC boundaries for the 1990 census were identified by the Bureau of Land Management. A 13th region was established for Alaska Natives who are not permanent residents and who chose not to enroll in one of the 12 ANRC's; no census products are prepared for the 13th region. ANRC's were first identified for the 1980 census.

Each ANRC is assigned a two-digit census code ranging from 07 through 84. These census codes are assigned in alphabetical order of the ANRC's.

Alaska Native Village (ANV) Statistical Area

Alaska Native villages (ANV's) constitute tribes, bands, clans, groups, villages, communities, or associations in Alaska that are recognized pursuant to the Alaska Native Claims Settlement Act of 1972, Public Law 92-203. Because ANV's do not have legally designated boundaries, the Census Bureau has established Alaska Native village statistical areas (ANVSA's) for statistical purposes. For the 1990 census, the Census Bureau cooperated with officials of the nonprofit corporation within each participating Alaska Native Regional Corporation (ANRC), as well as other knowledgeable officials, to delineate boundaries that encompass the settled area associated with each ANV. ANVSA's are located within ANRC's and do not cross ANRC boundaries. ANVSA's for the 1990 census replace the ANV's that the Census Bureau recognized for the 1980 census.

Each ANVSA is assigned a four-digit census code ranging from 6001 through 8989. Each ANVSA also is assigned a five-digit FIPS code. Both the census and FIPS codes are assigned in alphabetical order of ANVSA's.

American Indian Reservation and Trust Land

American Indian Reservation—Federal American Indian reservations are areas with boundaries established by treaty, statute, and/or executive or court order, and recognized by the Federal Government as territory in which American Indian tribes have jurisdiction. State reservations are lands held in trust by State governments for the use and benefit of a given tribe. The reservations and their boundaries were identified for the 1990 census by the Bureau of Indian Affairs (BIA), Department of Interior (for Federal reservations), and State governments (for State reservations). The names of American Indian reservations recognized by State governments, but not by the Federal Government, are followed by "(State)." Areas composed of reservation lands that are administered jointly and/or are claimed by two reservations, as identified by the BIA, are called "joint areas," and are treated as separate American Indian reservations for census purposes.

Federal reservations may cross State boundaries, and Federal and State reservations may cross county, county subdivision, and place boundaries. For reservations that cross State boundaries, only the portion of the reservations in a given State are shown in the data products for that State; the entire reservations are shown in data products for the United States.

Each American Indian reservation is assigned a four-digit census code ranging from 0001 through 4989. These census codes are assigned in alphabetical order of American Indian reservations nationwide, except that joint areas appear at the end of the code range. Each American Indian reservation also is assigned a five-digit FIPS code; because the FIPS codes are assigned in alphabetical sequence of American Indian reservations within each State, the FIPS code is different in each State for reservations in more than one State.

Trust Land—Trust lands are property associated with a particular American Indian reservation or tribe, held in trust by the Federal Government. Trust lands may be held in trust either for a tribe (tribal trust land) or for an individual member of a tribe (individual trust land). Trust lands recognized for the 1990 census comprise all tribal trust lands and inhabited individual trust lands located outside of a reservation boundary. As with other American Indian areas, trust lands may be located in more than one State. Only the trust lands in a given State are shown in the data products for that State; all trust lands associated with a reservation or tribe are shown in data products for the United States. The Census Bureau first reported data for tribal trust lands for the 1980 census.

Trust lands are assigned a four-digit census code and a five-digit FIPS code, the same as that for the reservation with which they are associated. Trust lands not associated with a reservation are presented by tribal name, interspersed alphabetically among the reservations.

Tribal Designated Statistical Area (TDSA)

Tribal designated statistical areas (TDSA's) are areas, delineated outside Oklahoma by federally- and State-recognized tribes without a land base or associated trust lands, to provide statistical areas for which the Census Bureau tabulates data. TDSA's represent areas generally containing the American Indian population over which federally-recognized tribes have jurisdiction and areas in which State tribes provide benefits and services to their members. The names of TDSA's delineated by State-recognized tribes are followed by "(State)." The Census Bureau did not recognize TDSA's before the 1990 census.

Each TDSA is assigned a four-digit census code ranging from 9001 through 9589. The census codes are assigned in alphabetical order of TDSA's nationwide. Each TDSA also is assigned a five-digit FIPS code in alphabetical order within State.

Tribal Jurisdiction Statistical Area (TJSA)

Tribal jurisdiction statistical areas (TJSA's) are areas, delineated by federally-recognized tribes in Oklahoma without a reservation, for which the Census Bureau tabulates data. TJSA's represent areas generally containing the American Indian population over which one or more tribal governments have jurisdiction; if tribal officials delineated adjacent TJSA's so that they include some duplicate territory, the overlap area is called a "joint use area," which is treated as a separate TJSA for census purposes.

TJSA's replace the "Historic Areas of Oklahoma (excluding urbanized areas)" shown in 1980 census data products. The Historic Areas of Oklahoma comprised the territory located within reservations that had legally established boundaries from 1900 to 1907; these reservations were dissolved during the 2- to 3-year period preceding the statehood of Oklahoma in 1907. The Historic Areas of Oklahoma (excluding urbanized areas) were identified only for the 1980 census.

Each TJSA is assigned a four-digit census code ranging from 5001 through 5989. The census codes are assigned in alphabetical order of TJSA's, except that joint areas appear at the end of the code range. Each TJSA also is assigned a five-digit FIPS code in alphabetical order within Oklahoma.

AREA MEASUREMENT

Area measurements provide the size, in square kilometers (also in square miles in printed reports), recorded for each geographic entity for which the Census Bureau tabulates data in general-purpose data products (except crews-of-vessels entities and ZIP Codes). (Square kilometers may be divided by 2.59 to convert an area measurement to square miles.) Area was calculated from the specific set of boundaries recorded for the entity in the Census Bureau's geographic data base (see "TIGER"). On machine-readable files, area measurements are shown to three decimal places; the decimal point is implied. In printed reports and listings, area measurements are shown to one decimal.

The Census Bureau provides measurements for both land area and total water area for the 1990 census; the water figure includes inland, coastal, Great Lakes, and territorial water. (For the 1980 census, the Census Bureau provided area measurements for land and inland water.) The Census Bureau will provide measurements for the component types of water for the affected entities in a separate file. "Inland water" consists of any lake, reservoir, pond, or similar body of water that is recorded in the Census Bureau's geographic data base. It also includes any river, creek, canal, stream, or similar feature that is recorded in that data base as a two-dimensional feature (rather than as a single line). The portions of the oceans and related large embayments (such as the Chesapeake Bay and Puget Sound), the Gulf of Mexico, and the Caribbean Sea that belong to the United States and its territories are considered to be "coastal" and "territorial"

waters; the Great Lakes are treated as a separate water entity. Rivers and bays that empty into these bodies of water are treated as "inland water" from the point beyond which they are narrower than one nautical mile across. Identification of land and inland, coastal, and territorial waters is for statistical purposes, and does not necessarily reflect legal definitions thereof.

By definition, census blocks do not include water within their boundaries; therefore, the water area of a block is always zero. Land area measurements may disagree with the information displayed on census maps and in the TIGER file because, for area measurement purposes, features identified as "intermittent water" and "glacier" are reported as land area. For this reason, it may not be possible to derive the land area for an entity by summing the land area of its component census blocks. In addition, the water area measurement reported for some geographic entities includes water that is not included in any lower-level geographic entity. Therefore, because water is contained only in a higher-level geographic entity, summing the water measurements for all the component lower-level geographic entities will not yield the water area of that higher-level entity. This occurs, for example, where water is associated with a county but is not within the legal boundary of any minor civil division, or the water is associated with a State but is not within the legal boundary of any county. Crews-of-vessels entities (see "Census Tract and Block Numbering Area" and "Block") do not encompass territory and therefore have no area measurements. ZIP Codes do not have specific boundaries, and therefore, also do not have area measurements.

The accuracy of any area measurement figure is limited by the inaccuracy inherent in (1) the location and shape of the various boundary features in the data base, and (2) rounding affecting the last digit in all operations that compute and/or sum the area measurements.

BLOCK

Census blocks are small areas bounded on all sides by visible features such as streets, roads, streams, and railroad tracks, and by invisible boundaries such as city, town, township, and county limits, property lines, and short, imaginary extensions of streets and roads.

Tabulation blocks, used in census data products, are in most cases the same as collection blocks, used in the census enumeration. In some cases, collection blocks have been "split" into two or more parts required for data tabulations. Tabulation blocks do not cross the boundaries of counties, county subdivisions, places, census tracts or block numbering areas, American Indian and Alaska Native areas, congressional districts, voting districts, urban or rural areas, or urbanized areas. The 1990 census is the first for which the entire United States and its possessions are block-numbered.

Blocks are numbered uniquely within each census tract or BNA. A block is identified by a three-digit number, sometimes with a single alphabetical suffix. Block numbers

with suffixes generally represent collection blocks that were "split" in order to identify separate geographic entities that divide the original block. For example, when a city limit runs through data collection block 101, the data for the portion inside the city is tabulated in block 101A and the portion outside, in block 101B. A block number with the suffix "Z" represents a "crews-of-vessels" entity for which the Census Bureau tabulates data, but that does not represent a true geographic area; such a block is shown on census maps associated with an anchor symbol and a census tract or block numbering area with a .99 suffix.

BLOCK GROUP (BG)

Geographic Block Group

A geographic block group (BG) is a cluster of blocks having the same first digit of their three-digit identifying numbers within a census tract or block numbering area (BNA). For example, BG 3 within a census tract or BNA includes all blocks numbered between 301 and 397. In most cases, the numbering involves substantially fewer than 97 blocks. Geographic BG's never cross census tract or BNA boundaries, but may cross the boundaries of county subdivisions, places, American Indian and Alaska Native areas, urbanized areas, voting districts, and congressional districts. BG's generally contain between 250 and 550 housing units, with the ideal size being 400 housing units.

Tabulation Block Group

In the data tabulations, a geographic BG may be split to present data for every unique combination of county subdivision, place, American Indian and Alaska Native area, urbanized area, voting district, urban/rural and congressional district shown in the data product; for example, if BG 3 is partly in a city and partly outside the city, there will be separate tabulated records for each portion of BG 3. BG's are used in tabulating decennial census data nationwide in the 1990 census, in all block-numbered areas in the 1980 census, and in Tape Address Register (TAR) areas in the 1970 census. For purposes of data presentation, BG's are a substitute for the enumeration districts (ED's) used for reporting data in many parts of the United States for the 1970 and 1980 censuses, and in all areas for pre-1970 censuses.

BOUNDARY CHANGES

The boundaries of some counties, county subdivisions, American Indian and Alaska Native areas, and many incorporated places, changed between those reported for the 1980 census and January 1, 1990. Boundary changes to legal entities result from:

1. Annexations to or detachments from legally established governmental units.
2. Mergers or consolidations of two or more governmental units.
3. Establishment of new governmental units.
4. Disincorporations or disorganizations of existing governmental units.
5. Changes in treaties and Executive Orders.

The historical counts shown for counties, county subdivisions, and places are not updated for such changes, and thus reflect the population and housing units in the area as delineated at each census. Information on boundary changes reported between the 1980 and 1990 censuses for counties, county subdivisions, and incorporated places is presented in the "User Notes" section of the technical documentation of Summary Tape Files 1 and 3, and in the 1990 CPH-2, *Population and Housing Unit Counts* printed reports. For information on boundary changes for such areas in the decade preceding other decennial censuses, see the *Number of Inhabitants* reports for each census. Boundary changes are not reported for some areas, such as census designated places and block groups.

CENSUS REGION AND CENSUS DIVISION

Census Division

Census divisions are groupings of States that are subdivisions of the four census regions. There are nine divisions, which the Census Bureau adopted in 1910 for the presentation of data. The regions, divisions, and their constituent States are:

Northeast Region

New England Division:

Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut

Middle Atlantic Division:

New York, New Jersey, Pennsylvania

Midwest Region

East North Central Division:

Ohio, Indiana, Illinois, Michigan, Wisconsin

West North Central Division:

Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas

South Region

South Atlantic Division:

Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida

East South Central Division:

Kentucky, Tennessee, Alabama, Mississippi

West South Central Division:

Arkansas, Louisiana, Oklahoma, Texas

West Region

Mountain Division:

Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada

Pacific Division:

Washington, Oregon, California, Alaska, Hawaii

Census Region

Census regions are groupings of States that subdivide the United States for the presentation of data. There are four regions—Northeast, Midwest, South, and West. Each of the four census regions is divided into two or more census divisions. Prior to 1984, the Midwest region was named the North Central region. From 1910, when census regions were established, through the 1940's, there were three regions—North, South, and West.

CENSUS TRACT AND BLOCK NUMBERING AREA

Block Numbering Area (BNA)

Block numbering areas (BNA's) are small statistical subdivisions of a county for grouping and numbering blocks in nonmetropolitan counties where local census statistical areas committees have not established census tracts. State agencies and the Census Bureau delineated BNA's for the 1990 census, using guidelines similar to those for the delineation of census tracts. BNA's do not cross county boundaries.

BNA's are identified by a four-digit basic number and may have a two-digit suffix; for example, 9901.07. The decimal point separating the four-digit basic BNA number from the two-digit suffix is shown in printed reports, in microfiche, and on census maps; in machine-readable files, the decimal point is implied. Many BNA's do not have a suffix; in such cases, the suffix field is left blank in all data products. BNA numbers range from 9501 through 9989.99, and are unique within a county (numbers in the range of 0001 through 9499.99 denote a census tract). The suffix .99 identifies a BNA that was populated entirely by persons aboard one or more civilian or military ships. A "crews-of-vessels" BNA appears on census maps only as an anchor symbol with its BNA number (and block numbers on maps showing block numbers); the BNA relates to the ships associated with the onshore BNA's having the same four-digit basic number. Suffixes in the range .80 through .98 usually identify BNA's that either were revised or were created during the 1990 census data collection activities.

Some of these revisions produced BNA's that have extremely small land area and may have little or no population or housing. For data analysis, such a BNA can be summarized with an adjacent BNA.

Census Tract

Census tracts are small, relatively permanent statistical subdivisions of a county. Census tracts are delineated for all metropolitan areas (MA's) and other densely populated counties by local census statistical areas committees following Census Bureau guidelines (more than 3,000 census tracts have been established in 221 counties outside MA's). Six States (California, Connecticut, Delaware, Hawaii, New Jersey, and Rhode Island) and the District of Columbia are covered entirely by census tracts. Census tracts usually have between 2,500 and 8,000 persons and, when first delineated, are designed to be homogeneous with respect to population characteristics, economic status, and living conditions. Census tracts do not cross county boundaries. The spatial size of census tracts varies widely depending on the density of settlement. Census tract boundaries are delineated with the intention of being maintained over a long time so that statistical comparisons can be made from census to census. However, physical changes in street patterns caused by highway construction, new development, etc., may require occasional revisions; census tracts occasionally are split due to large population growth, or combined as a result of substantial population decline. Census tracts are referred to as "tracts" in all 1990 data products.

Census tracts are identified by a four-digit basic number and may have a two-digit suffix; for example, 6059.02. The decimal point separating the four-digit basic tract number from the two-digit suffix is shown in printed reports, in microfiche, and on census maps; in machine-readable files, the decimal point is implied. Many census tracts do not have a suffix; in such cases, the suffix field is left blank in all data products. Leading zeros in a census tract number (for example, 002502) are shown only on machine-readable files.

Census tract numbers range from 0001 through 9499.99 and are unique within a county (numbers in the range of 9501 through 9989.99 denote a block numbering area). The suffix .99 identifies a census tract that was populated entirely by persons aboard one or more civilian or military ships. A "crews-of-vessels" census tract appears on census maps only as an anchor symbol with its census tract number (and block numbers on maps showing block numbers). These census tracts relate to the ships associated with the onshore census tract having the same four-digit basic number. Suffixes in the range .80 through .98 usually identify census tracts that either were revised or were created during the 1990 census data collection activities. Some of these revisions may have resulted in census tracts that have extremely small land area and may have little or no population or housing. For data analysis, such a census tract can be summarized with an adjacent census tract.

CONGRESSIONAL DISTRICT (CD)

Congressional districts (CD's) are the 435 areas from which persons are elected to the U.S. House of Representatives. After the apportionment of congressional seats among the States, based on census population counts, each State is responsible for establishing CD's for the purpose of electing representatives. Each CD is to be as equal in population to all other CD's in the State as practicable, based on the decennial census counts.

The CD's that were in effect on January 1, 1990 were those of the 101st Congress. Data on the 101st Congress appear in an early 1990 census data product (Summary Tape File 1A). The CD's of the 101st Congress are the same as those in effect for the 102nd Congress. CD's of the 103rd Congress, reflecting redistricting based on the 1990 census, are summarized in later 1990 data products (STF's 1D and 3D, and 1990 CPH-4, *Population and Housing Characteristics for Congressional Districts of the 103rd Congress* printed reports).

COUNTY

The primary political divisions of most States are termed "counties." In Louisiana, these divisions are known as "parishes." In Alaska, which has no counties, the county equivalents are the organized "boroughs" and the "census areas" that are delineated for statistical purposes by the State of Alaska and the Census Bureau. In four States (Maryland, Missouri, Nevada, and Virginia), there are one or more cities that are independent of any county organization and thus constitute primary divisions of their States. These cities are known as "independent cities" and are treated as equivalent to counties for statistical purposes. That part of Yellowstone National Park in Montana is treated as a county equivalent. The District of Columbia has no primary divisions, and the entire area is considered equivalent to a county for statistical purposes.

Each county and county equivalent is assigned a three-digit FIPS code that is unique within State. These codes are assigned in alphabetical order of county or county equivalent within State, except for the independent cities, which follow the listing of counties.

COUNTY SUBDIVISION

County subdivisions are the primary subdivisions of counties and their equivalents for the reporting of decennial census data. They include census county divisions, census subareas, minor civil divisions, and unorganized territories.

Each county subdivision is assigned a three-digit census code in alphabetical order within county and a five-digit FIPS code in alphabetical order within State.

Census County Division (CCD)

Census county divisions (CCD's) are subdivisions of a county that were delineated by the Census Bureau, in cooperation with State officials and local census statistical

areas committees, for statistical purposes. CCD's were established in 21 States where there are no legally established minor civil divisions (MCD's), where the MCD's do not have governmental or administrative purposes, where the boundaries of the MCD's change frequently, and/or where the MCD's are not generally known to the public. CCD's have no legal functions, and are not governmental units.

The boundaries of CCD's usually are delineated to follow visible features, and in most cases coincide with census tract or block numbering area boundaries. The name of each CCD is based on a place, county, or well-known local name that identifies its location. CCD's have been established in the following 21 States: Alabama, Arizona, California, Colorado, Delaware, Florida, Georgia, Hawaii, Idaho, Kentucky, Montana, Nevada, New Mexico, Oklahoma, Oregon, South Carolina, Tennessee, Texas, Utah, Washington, and Wyoming. For the 1980 census, the county subdivisions recognized for Nevada were MCD's.

Census Subarea (Alaska)

Census subareas are statistical subdivisions of boroughs and census areas (county equivalents) in Alaska. Census subareas were delineated cooperatively by the State of Alaska and the Census Bureau. The census subareas, identified first in 1980, replaced the various types of subdivisions used in the 1970 census.

Minor Civil Division (MCD)

Minor civil divisions (MCD's) are the primary political or administrative divisions of a county. MCD's represent many different kinds of legal entities with a wide variety of governmental and/or administrative functions. MCD's are variously designated as American Indian reservations, assessment districts, boroughs, election districts, gores, grants, magisterial districts, parish governing authority districts, plantations, precincts, purchases, supervisors' districts, towns, and townships. In some States, all or some incorporated places are not located in any MCD and thus serve as MCD's in their own right. In other States, incorporated places are subordinate to (part of) the MCD's in which they are located, or the pattern is mixed—some incorporated places are independent of MCD's and others are subordinate to one or more MCD's.

The Census Bureau recognizes MCD's in the following 28 States: Arkansas, Connecticut, Illinois, Indiana, Iowa, Kansas, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Pennsylvania, Rhode Island, South Dakota, Vermont, Virginia, West Virginia, and Wisconsin. The District of Columbia has no primary divisions, and the entire area is considered equivalent to an MCD for statistical purposes.

The MCD's in 12 selected States (Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin) also serve as general-purpose local governments. The Census Bureau presents data for these MCD's in all data products in which it provides data for places.

Unorganized Territory (unorg.)

In nine States (Arkansas, Iowa, Kansas, Louisiana, Maine, Minnesota, North Carolina, North Dakota, and South Dakota), some counties contain territory that is not included in an MCD recognized by the Census Bureau. Each separate area of unorganized territory in these States is recognized as one or more separate county subdivisions for census purposes. Each unorganized territory is given a descriptive name, followed by the designation "unorg."

GEOGRAPHIC CODE

Geographic codes are shown primarily on machine-readable data products, such as computer tape and compact disc-read only memory (CD-ROM), but also appear on other products such as microfiche; they also are shown on some census maps. Codes are identified as "census codes" only if there is also a Federal Information Processing Standards (FIPS) code for the same geographic entity. A code that is not identified as either "census" or "FIPS" is usually a census code for which there is no FIPS equivalent, or for which the Census Bureau does not use the FIPS code. The exceptions, which use only the FIPS code in census products, are county, congressional district, and metropolitan area (that is, metropolitan statistical area, consolidated metropolitan statistical area, and primary metropolitan statistical area).

Census Code

Census codes are assigned for a variety of geographic entities, including American Indian and Alaska Native area, census division, census region, county subdivision, place, State, urbanized area, and voting district. The structure, format, and meaning of census codes appear in the 1990 census *Geographic Identification Code Scheme*; in the data dictionary portion of the technical documentation for summary tape files, CD-ROM's, and microfiche.

Federal Information Processing Standards (FIPS) Code

Federal Information Processing Standards (FIPS) codes are assigned for a variety of geographic entities, including American Indian and Alaska Native area, congressional district, county, county subdivision, metropolitan area, place, and State. The structure, format, and meaning of FIPS

codes used in the census are shown in the 1990 census *Geographic Identification Code Scheme*; in the data dictionary portion of the technical documentation for summary tape files, CD-ROM's, and microfiche.

The objective of the FIPS codes is to improve the use of data resources of the Federal Government and avoid unnecessary duplication and incompatibilities in the collection, processing, and dissemination of data. More information about FIPS and FIPS code documentation is available from the National Technical Information Service, Springfield, VA 22161.

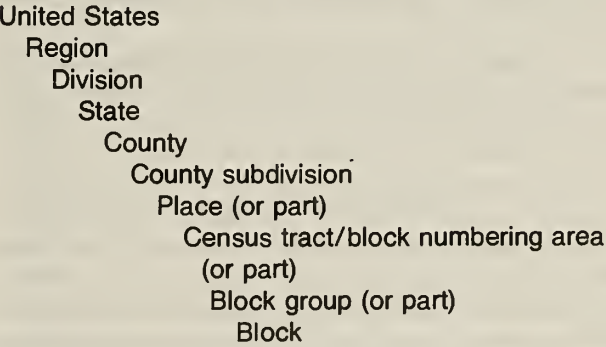
United States Postal Service (USPS) Code

United States Postal Service (USPS) codes for States are used in all 1990 data products. The codes are two-character alphabetic abbreviations. These codes are the same as the FIPS two-character alphabetic abbreviations.

GEOGRAPHIC PRESENTATION

Hierarchical Presentation

A hierarchical geographic presentation shows the geographic entities in a superior/subordinate structure in census products. This structure is derived from the legal, administrative, or areal relationships of the entities. The hierarchical structure is depicted in report tables by means of indentation, and is explained for machine-readable media in the discussion of file structure in the geographic coverage portion of the abstract in the technical documentation. An example of hierarchical presentation is the "standard census geographic hierarchy": block, within block group, within census tract or block numbering area, within place, within county subdivision, within county, within State, within division, within region, within the United States. Graphically, this is shown as:



Inventory Presentation

An inventory presentation of geographic entities is one in which all entities of the same type are shown in alphabetical or code sequence, without reference to their hierarchical relationships. Generally, an inventory presentation shows totals for entities that may be split in a hierarchical presentation, such as place, census tract/

block numbering area, or block group. An example of a series of inventory presentations is: State, followed by all the counties in that State, followed by all the places in that State. Graphically, this is shown as:

State

County "A"

County "B"

County "C"

Place "X"

Place "Y"

Place "Z"

HISTORICAL COUNTS

Historical counts for total population and total housing units are shown in the 1990 CPH-2, *Population and Housing Unit Counts* report series. As in past censuses, the general rule for presenting historical data for States, counties, county subdivisions, and places is to show historical counts only for single, continually existing entities. Stated another way, if an entity existed for both the current and preceding censuses, the tables show counts for the preceding censuses. Included in this category are entities of the same type (county, county subdivision, place) even if they had changed their names. Also included are entities that merged, but only if the new entity retained the name of one of the merged entities. The historical counts shown are for each entity as it was bounded at each census.

In cases where an entity was formed since a preceding census, such as a newly incorporated place or a newly organized township, the symbol three dots "..." is shown for earlier censuses. The three-dot symbol also is shown for those parts of a place that have extended into an additional county or county subdivision through annexation or other revision of boundaries since the preceding census.

In a few cases, changes in the boundaries of county subdivisions caused a place to be split into two or more parts, or to be split differently than in the preceding census. If historical counts for the parts of the place as currently split did not appear in a preceding census, "(NA)" is shown for the place in each county subdivision; however, the historical population and housing unit counts of the place appear in tables that show the entire place. For counties, county subdivisions, and places formed since January 1, 1980, 1980 census population and housing unit counts in the 1990 territory are reported in the geographic change notes included in the "User Notes" text section of 1990 CPH-2, *Population and Housing Unit Counts*, and in the technical documentation of Summary Tape Files 1 and 3.

In some cases, population and housing unit counts for individual areas were revised since publication of the 1980 reports (indicated by the prefix "r"). In a number of tables of 1990 CPH-2, *Population and Housing Unit Counts*, 1980 counts are shown for aggregations of individual areas,

such as the number, population, and housing unit counts of places in size groups, or urban and rural distributions. Revisions of population and housing unit counts for individual areas were not applied to the various aggregations. Therefore, it may not be possible to determine the individual areas in a given aggregation using the historical counts; conversely, the sum of the counts shown for individual areas may not agree with the aggregation.

INTERNAL POINT

An internal point is a set of geographic coordinates (latitude and longitude) that is located within a specified geographic entity. A single point is identified for each entity; for many entities, this point represents the approximate geographic center of that entity. If the shape of the entity caused this point to be located outside the boundaries of the entity, it is relocated from the center so that it is within the entity. If the internal point for a block falls in a water area, it is relocated to a land area within the block. On machine-readable products, internal points are shown to six decimal places; the decimal point is implied.

METROPOLITAN AREA (MA)

The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MA's are defined around two or more nuclei.

The MA classification is a statistical standard, developed for use by Federal agencies in the production, analysis, and publication of data on MA's. The MA's are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by the inter-agency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MA's nationwide.

Each MA must contain either a place with a minimum population of 50,000 or a Census Bureau-defined urbanized area and a total MA population of at least 100,000 (75,000 in New England). An MA comprises one or more central counties. An MA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. In New England, MA's are composed of cities and towns rather than whole counties.

The territory, population, and housing units in MA's are referred to as "metropolitan." The metropolitan category is subdivided into "inside central city" and "outside central city." The territory, population, and housing units located outside MA's are referred to as "nonmetropolitan." The

metropolitan and nonmetropolitan classification cuts across the other hierarchies; for example, there is generally both urban and rural territory within both metropolitan and nonmetropolitan areas.

To meet the needs of various users, the standards provide for a flexible structure of metropolitan definitions that classify an MA either as a metropolitan statistical area (MSA) or as a consolidated metropolitan statistical area (CMSA) that is divided into primary metropolitan statistical areas (PMSA's). Documentation of the MA standards and how they are applied is available from the Secretary, Federal Executive Committee on Metropolitan Areas, Population Division, U.S. Bureau of the Census, Washington, DC 20233.

Central City

In each MSA and CMSA, the largest place and, in some cases, additional places are designated as "central cities" under the official standards. A few PMSA's do not have central cities. The largest central city and, in some cases, up to two additional central cities are included in the title of the MA; there also are central cities that are not included in an MA title. An MA central city does not include any part of that city that extends outside the MA boundary.

Consolidated and Primary Metropolitan Statistical Area (CMSA and PMSA)

If an area that qualifies as an MA has more than one million persons, primary metropolitan statistical areas (PMSA's) may be defined within it. PMSA's consist of a large urbanized county or cluster of counties that demonstrates very strong internal economic and social links, in addition to close ties to other portions of the larger area. When PMSA's are established, the larger area of which they are component parts is designated a consolidated metropolitan statistical area (CMSA).

Metropolitan Statistical Area (MSA)

Metropolitan statistical areas (MSA's) are relatively free-standing MA's and are not closely associated with other MA's. These areas typically are surrounded by nonmetropolitan counties.

Metropolitan Area Title and Code

The title of an MSA contains the name of its largest central city and up to two additional city names, provided that the additional places meet specified levels of population, employment, and commuting. Generally, a city with a population of 250,000 or more is in the title, regardless of other criteria.

The title of a PMSA may contain up to three place names, as determined above, or up to three county names, sequenced in order of population. A CMSA title also may include up to three names, the first of which generally is

the most populous central city in the area. The second name may be the first city or county name in the most populous remaining PMSA; the third name may be the first city or county name in the next most populous PMSA. A regional designation may be substituted for the second and/or third names in a CMSA title if such a designation is supported by local opinion and is deemed to be unambiguous and suitable by the Office of Management and Budget.

The titles for all MA's also contain the name of each State in which the area is located. Each metropolitan area is assigned a four-digit FIPS code, in alphabetical order nationwide. If the fourth digit of the code is a "2," it identifies a CMSA. Additionally, there is a separate set of two-digit codes for CMSA's, also assigned alphabetically.

OUTLYING AREAS OF THE UNITED STATES

The Census Bureau treats the outlying areas as the statistical equivalents of States for the 1990 census. The outlying areas are American Samoa, Guam, the Commonwealth of the Northern Mariana Islands (Northern Mariana Islands), Republic of Palau (Palau), Puerto Rico, and the Virgin Islands of the United States (Virgin Islands). Geographic definitions specific to each outlying area are shown in appendix A of the text in the data products for each area.

PLACE

Places, for the reporting of decennial census data, include census designated places and incorporated places. Each place is assigned a four-digit census code that is unique within State. Each place is also assigned a five-digit FIPS code that is unique within State. Both the census and FIPS codes are assigned based on alphabetical order within State. Consolidated cities (see below) are assigned a one-character alphabetical census code that is unique nationwide and a five-digit FIPS code that is unique within State.

Census Designated Place (CDP)

Census designated places (CDP's) are delineated for the decennial census as the statistical counterparts of incorporated places. CDP's comprise densely settled concentrations of population that are identifiable by name, but are not legally incorporated places. Their boundaries, which usually coincide with visible features or the boundary of an adjacent incorporated place, have no legal status, nor do these places have officials elected to serve traditional municipal functions. CDP boundaries may change with changes in the settlement pattern; a CDP with the same name as in previous censuses does not necessarily have the same boundaries.

Beginning with the 1950 census, the Census Bureau, in cooperation with State agencies and local census statistical areas committees, has identified and delineated boundaries for CDP's. In the 1990 census, the name of each such place is followed by "CDP." In the 1980 census, "(CDP)" was used; in 1970, 1960, and 1950 censuses, these places were identified by "(U)," meaning "unincorporated place."

To qualify as a CDP for the 1990 census, an unincorporated community must have met the following criteria:

1. In all States except Alaska and Hawaii, the Census Bureau uses three population size criteria to designate a CDP. These criteria are:
 - a. 1,000 or more persons if outside the boundaries of an urbanized area (UA) delineated for the 1980 census or a subsequent special census.
 - b. 2,500 or more persons if inside the boundaries of a UA delineated for the 1980 census or a subsequent special census.
 - c. 250 or more persons if outside the boundaries of a UA delineated for the 1980 census or a subsequent special census, and within the official boundaries of an American Indian reservation recognized for the 1990 census.
2. In Alaska, 25 or more persons if outside a UA, and 2,500 or more persons if inside a UA delineated for the 1980 census or a subsequent special census.
3. In Hawaii, 300 or more persons, regardless of whether the community is inside or outside a UA.

For the 1990 census, CDP's qualified on the basis of the population counts prepared for the 1990 Postcensus Local Review Program. Because these counts were subject to change, a few CDP's may have final population counts lower than the minimums shown above.

Hawaii is the only State with no incorporated places recognized by the Bureau of the Census. All places shown for Hawaii in the data products are CDP's. By agreement with the State of Hawaii, the Census Bureau does not show data separately for the city of Honolulu, which is coextensive with Honolulu County.

Consolidated City

A consolidated government is a unit of local government for which the functions of an incorporated place and its county or minor civil division (MCD) have merged. The legal aspects of this action may result in both the primary incorporated place and the county or MCD continuing to exist as legal entities, even though the county or MCD performs few or no governmental functions and has few or no elected officials. Where this occurs, and where one or more other incorporated places in the county or MCD

continue to function as separate governments, even though they have been included in the consolidated government, the primary incorporated place is referred to as a "consolidated city."

The data presentation for consolidated cities varies depending upon the geographic presentation. In hierarchical presentations, consolidated cities are not shown. These presentations include the semi-independent places and the "consolidated city (remainder)." Where the consolidated city is coextensive with a county or county subdivision, the data shown for those areas in hierarchical presentations are equivalent to those for the consolidated government.

For inventory geographic presentations, the consolidated city appears at the end of the listing of places. The data for the consolidated city include places that are part of the consolidated city. The "consolidated city (remainder)" is the portion of the consolidated government minus the semi-independent places, and is shown in alphabetical sequence with other places.

In summary presentations by size of place, the consolidated city is not included. The places semi-independent of consolidated cities are categorized by their size, as is the "consolidated city (remainder)."

Each consolidated city is assigned a one-character alphabetic census code. Each consolidated city also is assigned a five-digit FIPS code that is unique within State. The semi-independent places and the "consolidated city (remainder)" are assigned a four-digit census code and a five-digit FIPS place code that are unique within State. Both the census and FIPS codes are assigned based on alphabetical order within State.

Incorporated Place

Incorporated places recognized in 1990 census data products are those reported to the Census Bureau as legally in existence on January 1, 1990 under the laws of their respective States as cities, boroughs, towns, and villages, with the following exceptions: the towns in the New England States, New York, and Wisconsin, and the boroughs in New York are recognized as minor civil divisions for census purposes; the boroughs in Alaska are county equivalents.

POPULATION OR HOUSING UNIT DENSITY

Population or housing unit density is computed by dividing the total population or housing units of a geographic unit (for example, United States, State, county, place) by its land area measured in square kilometers or square miles. Density is expressed as both "persons (or housing units) per square kilometer" and "persons (or housing units) per square mile" of land area in 1990 census printed reports.

STATE

States are the primary governmental divisions of the United States. The District of Columbia is treated as a statistical equivalent of a State for census purposes. The four census regions, nine census divisions, and their component States are shown under "CENSUS REGION AND CENSUS DIVISION" in this appendix.

The Census Bureau treats the outlying areas as State equivalents for the 1990 census. The outlying areas are American Samoa, Guam, the Northern Mariana Islands, Palau, Puerto Rico, and the Virgin Islands of the United States. Geographic definitions specific to each outlying area are shown in appendix A in the data products for each area.

Each State and equivalent is assigned a two-digit numeric Federal Information Processing Standards (FIPS) code in alphabetical order by State name, followed by the outlying area names. Each State and equivalent area also is assigned a two-digit census code. This code is assigned on the basis of the geographic sequence of each State within each census division; the first digit of the code is the code for the respective division. Puerto Rico, the Virgin Islands, and the outlying areas of the Pacific are assigned "0" as the division code. Each State and equivalent area also is assigned the two-letter FIPS/United States Postal Service (USPS) code.

In 12 selected States (Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin), the minor civil divisions also serve as general-purpose local governments. The Census Bureau presents data for these minor civil divisions in all data products in which it provides data for places.

TIGER

TIGER is an acronym for the new digital (computer-readable) geographic data base that automates the mapping and related geographic activities required to support the Census Bureau's census and survey programs. The Census Bureau developed the Topologically Integrated Geographic Encoding and Referencing (TIGER) System to automate the geographic support processes needed to meet the major geographic needs of the 1990 census: producing the cartographic products to support data collection and map publication, providing the geographic structure for tabulation and publication of the collected data, assigning residential and employer addresses to their geographic location and relating those locations to the Census Bureau's geographic units, and so forth. The content of the TIGER data base is made available to the public through a variety of "TIGER Extract" files that may be obtained from the Data User Services Division, U.S. Bureau of the Census, Washington, DC 20233.

UNITED STATES

The United States comprises the 50 States and the District of Columbia. In addition, the Census Bureau treats

the outlying areas as statistical equivalents of States for the 1990 census. The outlying areas include American Samoa, Guam, the Northern Mariana Islands, Palau, Puerto Rico, and the Virgin Islands.

URBAN AND RURAL

The Census Bureau defines "urban" for the 1990 census as comprising all territory, population, and housing units in urbanized areas and in places of 2,500 or more persons outside urbanized areas. More specifically, "urban" consists of territory, persons, and housing units in:

1. Places of 2,500 or more persons incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the six New England States, New York, and Wisconsin), but excluding the rural portions of "extended cities."
2. Census designated places of 2,500 or more persons.
3. Other territory, incorporated or unincorporated, included in urbanized areas.

Territory, population, and housing units not classified as urban constitute "rural." In the 100-percent data products, "rural" is divided into "places of less than 2,500" and "not in places." The "not in places" category comprises "rural" outside incorporated and census designated places and the rural portions of extended cities. In many data products, the term "other rural" is used; "other rural" is a residual category specific to the classification of the rural in each data product.

In the sample data products, rural population and housing units are subdivided into "rural farm" and "rural nonfarm." "Rural farm" comprises all rural households and housing units on farms (places from which \$1,000 or more of agricultural products were sold in 1989); "rural nonfarm" comprises the remaining rural.

The urban and rural classification cuts across the other hierarchies; for example, there is generally both urban and rural territory within both metropolitan and nonmetropolitan areas.

In censuses prior to 1950, "urban" comprised all territory, persons, and housing units in incorporated places of 2,500 or more persons, and in areas (usually minor civil divisions) classified as urban under special rules relating to population size and density. The definition of urban that restricted itself to incorporated places having 2,500 or more persons excluded many large, densely settled areas merely because they were not incorporated. Prior to the 1950 census, the Census Bureau attempted to avoid some of the more obvious omissions by classifying selected areas as "urban under special rules." Even with these rules, however, many large, closely built-up areas were excluded from the urban category.

To improve its measure of urban territory, population, and housing units, the Census Bureau adopted the concept of the urbanized area and delineated boundaries for

unincorporated places (now, census designated places) for the 1950 census. Urban was defined as territory, persons, and housing units in urbanized areas and, outside urbanized areas, in all places, incorporated or unincorporated, that had 2,500 or more persons. With the following three exceptions, the 1950 census definition of urban has continued substantially unchanged. First, in the 1960 census (but not in the 1970, 1980, or 1990 censuses), certain towns in the New England States, townships in New Jersey and Pennsylvania, and Arlington County, Virginia, were designated as urban. However, most of these "special rule" areas would have been classified as urban anyway because they were included in an urbanized area or in an unincorporated place of 2,500 or more persons. Second, "extended cities" were identified for the 1970, 1980, and 1990 censuses. Extended cities primarily affect the figures for urban and rural territory (area), but have very little effect on the urban and rural population and housing units at the national and State levels— although for some individual counties and urbanized areas, the effects have been more evident. Third, changes since the 1970 census in the criteria for defining urbanized areas have permitted these areas to be defined around smaller centers.

Documentation of the urbanized area and extended city criteria is available from the Chief, Geography Division, U.S. Bureau of the Census, Washington, DC 20233.

Extended City

Since the 1960 census, there has been a trend in some States toward the extension of city boundaries to include territory that is essentially rural in character. The classification of all the population and living quarters of such places as urban would include in the urban designation territory, persons, and housing units whose environment is primarily rural. For the 1970, 1980, and 1990 censuses, the Census Bureau identified as rural such territory and its population and housing units for each extended city whose closely settled area was located in an urbanized area. For the 1990 census, this classification also has been applied to certain places outside urbanized areas.

In summary presentations by size of place, the urban portion of an extended city is classified by the population of the entire place; the rural portion is included in "other rural."

URBANIZED AREA (UA)

The Census Bureau delineates urbanized areas (UA's) to provide a better separation of urban and rural territory, population, and housing in the vicinity of large places. A UA comprises one or more places ("central place") and the adjacent densely settled surrounding territory ("urban fringe") that together have a minimum of 50,000 persons. The urban fringe generally consists of contiguous territory having a density of least 1,000 persons per square mile. The urban fringe also includes outlying territory of such

density if it was connected to the core of the contiguous area by road and is within 1 1/2 road miles of that core, or within 5 road miles of the core but separated by water or other undevelopable territory. Other territory with a population density of fewer than 1,000 people per square mile is included in the urban fringe if it eliminates an enclave or closes an indentation in the boundary of the urbanized area. The population density is determined by (1) outside of a place, one or more contiguous census blocks with a population density of at least 1,000 persons per square mile or (2) inclusion of a place containing census blocks that have at least 50 percent of the population of the place and a density of at least 1,000 persons per square mile. The complete criteria are available from the Chief, Geography Division, U.S. Bureau of the Census, Washington, DC 20233.

Urbanized Area Central Place

One or more central places function as the dominant centers of each UA. The identification of a UA central place permits the comparison of this dominant center with the remaining territory in the UA. There is no limit on the number of central places, and not all central places are necessarily included in the UA title. UA central places include:

1. Each place entirely (or partially, if the place is an extended city) within the UA that is a central city of a metropolitan area (MA).
2. If the UA does not contain an MA central city or is located outside of an MA, the central place(s) is determined by population size.

Urbanized Area Title and Code

The title of a UA identifies those places that are most important within the UA; it links the UA to the encompassing MA, where appropriate. If a single MA includes most of the UA, the title and code of the UA generally are the same as the title and code of the MA. If the UA is not mostly included in a single MA, if it does not include any place that is a central city of the encompassing MA, or if it is not located in an MA, the Census Bureau uses the population size of the included places, with a preference for incorporated places, to determine the UA title. The name of each State in which the UA is located also is in each UA title.

The numeric code used to identify each UA is the same as the code for the mostly encompassing MA (including CMSA and PMSA). If MA title cities represent multiple UA's, or the UA title city does not correspond to the first name of an MA title, the Census Bureau assigns a code based on the alphabetical sequence of the UA title in relationship to the other UA and MA titles.

VOTING DISTRICT (VTD)

A voting district (VTD) is any of a variety of types of areas (for example, election districts, precincts, wards, legislative districts) established by State and local governments for purposes of elections. For census purposes,

each State participating in Phase 2 of the 1990 Census Redistricting Data Program outlined the boundaries of VTD's around groups of whole census blocks on census maps. The entities identified as VTD's are not necessarily those legally or currently established. Also, to meet the "whole block" criterion, a State may have had to adjust VTD boundaries to nearby block boundaries. Therefore, the VTD's shown on the 1990 census tapes, listings, and maps may not represent the actual VTD's in effect at the time of the census. In the 1980 census, VTD's were referred to as "election precincts."

Each VTD is assigned a four-character alphanumeric code that is unique within each county. The code "ZZZZ" is assigned to nonparticipating areas; the Census Bureau reports data for areas coded "ZZZZ."

ZIP CODE®

ZIP Codes are administrative units established by the United States Postal Service (USPS) for the distribution of mail. ZIP Codes serve addresses for the most efficient delivery of mail, and therefore generally do not respect political or census statistical area boundaries. ZIP Codes usually do not have clearly identifiable boundaries, often serve a continually changing area, are changed periodically to meet postal requirements, and do not cover all the land area of the United States. ZIP Codes are identified by five-digit codes assigned by the USPS. The first three digits identify a major city or sectional distribution center, and the last two digits generally signify a specific post office's delivery area or point. For the 1990 census, ZIP Code data are tabulated for the five-digit codes in STF 3B.

APPENDIX B.

Definitions of Subject Characteristics

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POPULATION CHARACTERISTICS

AGE

The data on age were derived from answers to questionnaire item 5, which was asked of all persons. The age classification is based on the age of the person in complete years as of April 1, 1990. The age response in question 5a was used normally to represent a person's age. However, when the age response was unacceptable or unavailable, a person's age was derived from an acceptable year-of-birth response in question 5b.

Data on age are used to determine the applicability of other questions for a person and to classify other characteristics in census tabulations. Age data are needed to interpret most social and economic characteristics used to plan and examine many programs and policies. Therefore, age is tabulated by single years of age and by many different groupings, such as 5-year age groups.

Some tabulations are shown by the age of the householder. These data were derived from the age responses for each householder. (For more information on householder, see the discussion under "Household Type and Relationship.")

Median Age—This measure divides the age distribution into two equal parts: one-half of the cases falling below the median value and one-half above the value. Generally, median age is computed on the basis of more detailed age intervals than are shown in some census publications; thus, a median based on a less detailed distribution may differ slightly from a corresponding median for the same population based on a more detailed distribution. (For more information on medians, see the discussion under "Derived Measures.")

Limitation of the Data—Counts in 1970 and 1980 for persons 100 years old and over were substantially overstated. Improvements were made in the questionnaire design, in the allocation procedures, and to the respondent instruction guide to attempt to minimize this problem for the 1990 census.

Review of detailed 1990 census information indicated that respondents tended to provide their age as of the date of completion of the questionnaire, not their age as of April 1, 1990. In addition, there may have been a tendency for respondents to round their age up if they were close to having a birthday. It is likely that approximately 10 percent of persons in most age groups are actually 1 year younger. For most single years of age, the misstatements are largely offsetting. The problem is most pronounced at age 0 because persons lost to age 1 may not have been fully offset by the inclusion of babies born after April 1, 1990, and because there may have been more rounding up to age 1 to avoid reporting age as 0 years. (Age in complete months was not collected for infants under age 1.)

The reporting of age 1 year older than age on April 1, 1990, is likely to have been greater in areas where the census data were collected later in 1990. The magnitude of this problem was much less in the three previous censuses where age was typically derived from respondent data on year of birth and quarter of birth. (For more information on the design of the age question, see the section below that discusses "Comparability.")

Comparability—Age data have been collected in every census. For the first time since 1950, the 1990 data are not available by quarter year of age. This change was made so that coded information could be obtained for both age and year of birth. In each census since 1940, the age of a person was assigned when it was not reported. In censuses before 1940, with the exception of 1880, persons of unknown age were shown as a separate category. Since 1960, assignment of unknown age has been performed by a general procedure described as "imputation." The specific procedures for imputing age have been different in each census. (For more information on imputation, see Appendix C, Accuracy of the Data.)

ANCESTRY

The data on ancestry were derived from answers to questionnaire item 13, which was asked of a sample of persons. The question was based on self-identification; the data on ancestry represent self-classification by people according to the ancestry group(s) with which they most closely identify. Ancestry refers to a person's ethnic origin or descent, "roots," or heritage or the place of birth of the person or the person's parents or ancestors before their arrival in the United States. Some ethnic identities, such as "Egyptian" or "Polish" can be traced to geographic areas outside the United States, while other ethnicities such as "Pennsylvania Dutch" or "Cajun" evolved in the United States.

The intent of the ancestry question was not to measure the degree of attachment the respondent had to a particular ethnicity. For example, a response of "Irish" might reflect total involvement in an "Irish" community or only a memory of ancestors several generations removed from the individual.

The Census Bureau coded the responses through an automated review, edit, and coding operation. The open-ended write-in ancestry item was coded by subject-matter specialists into a numeric representation using a code list containing over 1,000 categories. The 1990 code list reflects the results of the Census Bureau's own research and consultations with many ethnic experts. Many decisions were made to determine the classification of responses. These decisions affected the grouping of the tabulated data. For example, the "Assyrian" category includes both responses of "Assyrian" and "Chaldean."

The ancestry question allowed respondents to report one or more ancestry groups. While a large number of respondents listed a single ancestry, the majority of answers included more than one ethnic entry. Generally, only the first two responses reported were coded in 1990. If a response was in terms of a dual ancestry, for example, Irish-English, the person was assigned two codes, in this case one for Irish and another for English.

However, in certain cases, multiple responses such as "French Canadian," "Scotch-Irish," "Greek Cypriote," and "Black Dutch" were assigned a single code reflecting their status as unique groups. If a person reported one of these unique groups in addition to another group, for example, "Scotch-Irish English," resulting in three terms, that person received one code for the unique group ("Scotch-Irish") and another one for the remaining group ("English"). If a person reported "English Irish French," only English and Irish were coded. Certain combinations of ancestries where the ancestry group is a part of another, such as "German-Bavarian," the responses were coded as a single ancestry using the smaller group ("Bavarian"). Also, responses such as "Polish-American" or "Italian-American" were coded and tabulated as a single entry ("Polish" or "Italian").

The Census Bureau accepted "American" as a unique ethnicity if it was given alone, with an ambiguous response, or with State names. If the respondent listed any other ethnic identity such as "Italian American," generally the "American" portion of the response was not coded. However, distinct groups such as "American Indian," "Mexican American," and "African American" were coded and identified separately because they represented groups who considered themselves different from those who reported as "Indian," "Mexican," or "African," respectively.

In all tabulations, when respondents provided an unacceptable ethnic identity (for example, an uncodeable or unintelligible response such as "multi-national," "adopted," or "I have no idea"), the answer was included in "Ancestry not reported."

The tabulations on ancestry are presented using two types of data presentations—one used total persons as the base, and the other used total responses as the base. The following are categories shown in the two data presentations:

Presentation Based on Persons:

Single Ancestries Reported—Includes all persons who reported only one ethnic group. Included in this

category are persons with multiple-term responses such as "Scotch-Irish" who are assigned a single code.

Multiple Ancestries Reported—Includes all persons who reported more than one group and were assigned two ancestry codes.

Ancestry Unclassified—Includes all persons who provided a response that could not be assigned an ancestry code because they provided nonsensical entries or religious responses.

Presentations Based on Responses:

Total Ancestries Reported—Includes the total number of ancestries reported and coded. If a person reported a multiple ancestry such as "French Danish," that response was counted twice in the tabulations—once in the "French" category and again in the "Danish" category. Thus, the sum of the counts in this type of presentation is not the total population but the total of all responses.

First Ancestry Reported—Includes the first response of all persons who reported at least one codeable entry. For example, in this category, the count for "Danish" would include all those who reported only Danish and those who reported Danish first and then some other group.

Second Ancestry Reported—Includes the second response of all persons who reported a multiple ancestry. Thus, the count for "Danish" in this category includes all persons who reported Danish as the second response, regardless of the first response provided.

The Census Bureau identified hundreds of ethnic groups in the 1990 census. However, it was impossible to show information for every group in all census tabulations because of space constraints. Publications such as the 1990 CP-2, *Social and Economic Characteristics* and the 1990 CPH-3, *Population and Housing Characteristics for Census Tracts and Block Numbering Areas* reports show a limited number of groups based on the number reported and the advice received from experts. A more complete distribution of groups is presented in the 1990 Summary Tape File 4, supplementary reports, and a special subject report on ancestry. In addition, groups identified specifically in the questions on race and Hispanic origin (for example, Japanese, Laotian, Mexican, Cuban, and Spaniard), in general, are not shown separately in ancestry tabulations.

Limitation of the Data—Although some experts consider religious affiliation a component of ethnic identity, the ancestry question was not designed to collect any information concerning religion. The Bureau of the Census is prohibited from collecting information on religion. Thus, if a religion was given as an answer to the ancestry question, it was coded as an "Other" response.

Comparability—A question on ancestry was first asked in the 1980 census. Although there were no comparable data prior to the 1980 census, related information on ethnicity was collected through questions on parental birthplace, own birthplace, and language which were included in previous censuses. Unlike other census questions, there was no imputation for nonresponse to the ancestry question.

In 1990, respondents were allowed to report more than one ancestry group; however, only the first two ancestry groups identified were coded. In 1980, the Census Bureau attempted to code a third ancestry for selected triple-ancestry responses.

New categories such as "Arab" and "West Indian" were added to the 1990 question to meet important data needs. The "West Indian" category excluded "Hispanic" groups such as "Puerto Rican" and "Cuban" that were identified primarily through the question on Hispanic origin. In 1990, the ancestry group, "American" is recognized and tabulated as a unique ethnicity. In 1980, "American" was tabulated but included under the category "Ancestry not specified."

A major improvement in the 1990 census was the use of an automated coding system for ancestry responses. The automated coding system used in the 1990 census greatly reduced the potential for error associated with a clerical review. Specialists with a thorough knowledge of the subject matter reviewed, edited, coded, and resolved inconsistent or incomplete responses.

CITIZENSHIP

The data on citizenship were derived from answers to questionnaire item 9, which was asked of a sample of persons.

Citizen—Persons who indicated that they were native-born and foreign-born persons who indicated that they have become naturalized. (For more information on native and foreign born, see the discussion under "Place of Birth.")

There are four categories of citizenship: (1) born in the United States, (2) born in Puerto Rico, Guam, the Virgin Islands of the United States, or the Commonwealth of the Northern Mariana Islands, (3) born abroad of American parents, and (4) citizen by naturalization.

Naturalized Citizen—Foreign-born persons who had completed the naturalization process at the time of the census and upon whom the rights of citizenship had been conferred.

Not a Citizen—Foreign-born persons who were not citizens, including persons who had begun but not completed the naturalization process at the time of the census.

Limitation of the Data—Evaluation studies completed after previous censuses indicated that some persons may have reported themselves as citizens although they had not yet attained the status.

Comparability—Similar questions on citizenship were asked in the censuses of 1820, 1830, 1870, 1890 through 1950, 1970, and 1980. The 1980 question was asked of a sample of the foreign-born population. In 1990, both native and foreign-born persons who received the long-form questionnaire were asked to respond to the citizenship question.

EDUCATIONAL ATTAINMENT

Data on educational attainment were derived from answers to questionnaire item 12, which was asked of a sample of persons. Data are tabulated as attainment for persons 15 years old and over. Persons are classified according to the highest level of school completed or the highest degree received. The question included instructions to report the level of the previous grade attended or the highest degree received for persons currently enrolled in school. The question included response categories which allowed persons to report completing the 12th grade without receiving a high school diploma, and which instructed respondents to report as "high school graduate(s)"—persons who received either a high school diploma or the equivalent, for example, passed the Test of General Educational Development (G.E.D.), and did not attend college. (On the Military Census Report questionnaire, the lowest response category was "Less than 9th grade.")

Instructions included in the 1990 respondent instruction guide, which was mailed with the census questionnaire, further specified that schooling completed in foreign or ungraded school systems should be reported as the equivalent level of schooling in the regular American system; that vocational certificates or diplomas from vocational, trade, or business schools or colleges were not to be reported unless they were college level degrees; and that honorary degrees were not to be reported. The instructions gave "medicine, dentistry, chiropractic, optometry, osteopathic medicine, pharmacy, podiatry, veterinary medicine, law, and theology" as examples of professional school degrees, and specifically excluded "barber school, cosmetology, or other training for a specific trade" from the professional school category. The order in which they were listed suggested that doctorate degrees were "higher" than professional school degrees, which were "higher" than master's degrees.

Persons who did not report educational attainment were assigned the attainment of a person of the same age, race or Spanish origin, and sex who resided in the same or a nearby area. Persons who filled more than one circle were edited to the highest level or degree reported.

High School Graduate or Higher—Includes persons whose highest degree was a high school diploma or

its equivalent, persons who attended college or professional school, and persons who received a college, university, or professional degree. Persons who reported completing the 12th grade but not receiving a diploma are not included.

Not Enrolled, Not High School Graduate—Includes persons of compulsory school attendance age or above who were not enrolled in school and were not high school graduates; these persons may be taken to be “high school dropouts.” There is no restriction on when they “dropped out” of school, and they may have never attended high school.

In prior censuses, “Median school years completed” was used as a summary measure of educational attainment. In 1990, the median can only be calculated for groups of which less than half the members have attended college. “Percent high school graduate or higher” and “Percent bachelor’s degree or higher” are summary measures which can be calculated from the present data and offer quite readily interpretable measures of differences between population subgroups. To make comparisons over time, “Percent high school graduate or higher” can be calculated and “Percent bachelor’s degree or higher” can be approximated with data from previous censuses.

Comparability—From 1840 to 1930, the census measured educational attainment by means of a basic literacy question. In 1940, a single question was asked on highest grade of school completed. In the censuses of 1950 through 1980, a two-part question asking highest grade of school attended and whether that grade was finished was used to construct highest grade or year of school completed. For persons who have not attended college, the response categories in the 1990 educational attainment question should produce data which are comparable to data on highest grade completed from earlier censuses.

The response categories for persons who have attended college were modified from earlier censuses because there was some ambiguity in interpreting responses in terms of the number of years of college completed. For instance, it was not clear whether “completed the fourth year of college,” “completed the senior year of college,” and “college graduate” were synonymous. Research conducted shortly before the census suggests that these terms were more distinct in 1990 than in earlier decades, and this change may have threatened the ability to estimate the number of “college graduates” from the number of persons reported as having completed the fourth or a higher year of college. It was even more difficult to make inferences about post-baccalaureate degrees and “Associate” degrees from highest year of college completed. Thus, comparisons of post-secondary educational attainment in this and earlier censuses should be made with great caution.

In the 1960 and subsequent censuses, persons for whom educational attainment was not reported were assigned the same attainment level as a similar person whose

residence was in the same or a nearby area. In the 1940 and 1950 censuses, persons for whom educational attainment was not reported were not allocated.

EMPLOYMENT STATUS

The data on employment status were derived from answers to questionnaire items 21, 25, and 26, which were asked of a sample of persons. The series of questions on employment status was asked of all persons 15 years old and over and was designed to identify, in this sequence: (1) persons who worked at any time during the reference week; (2) persons who did not work during the reference week but who had jobs or businesses from which they were temporarily absent (excluding layoff); (3) persons on layoff; and (4) persons who did not work during the reference week, but who were looking for work during the last four weeks and were available for work during the reference week. (For more information, see the discussion under “Reference Week.”)

The employment status data shown in this and other 1990 census tabulations relate to persons 16 years old and over. Some tabulations showing employment status, however, include persons 15 years old. By definition, these persons are classified as “Not in Labor Force.” In the 1940, 1950, and 1960 censuses, employment status data were presented for persons 14 years old and over. The change in the universe was made in 1970 to agree with the official measurement of the labor force as revised in January 1967 by the U.S. Department of Labor. The 1970 census was the last to show employment data for persons 14 and 15 years old.

Employed—All civilians 16 years old and over who were either (1) “at work”—those who did any work at all during the reference week as paid employees, worked in their own business or profession, worked on their own farm, or worked 15 hours or more as unpaid workers on a family farm or in a family business; or (2) were “with a job but not at work”—those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are persons whose only activity consisted of work around the house or unpaid volunteer work for religious, charitable, and similar organizations; also excluded are persons on active duty in the United States Armed Forces.

Unemployed—All civilians 16 years old and over are classified as unemployed if they (1) were neither “at work” nor “with a job but not at work” during the reference week, and (2) were looking for work during the last 4 weeks, and (3) were available to accept a job. Also included as unemployed are civilians who did not work at all during the reference week and were waiting to be called back to a job from which they had been laid off. Examples of job seeking activities are:

- Registering at a public or private employment office
- Meeting with prospective employers
- Investigating possibilities for starting a professional practice or opening a business
- Placing or answering advertisements
- Writing letters of application
- Being on a union or professional register

Civilian Labor Force—Consists of persons classified as employed or unemployed in accordance with the criteria described above.

Experienced Unemployed—These are unemployed persons who have worked at any time in the past.

Experienced Civilian Labor Force—Consists of the employed and the experienced unemployed.

Labor Force—All persons classified in the civilian labor force plus members of the U.S. Armed Forces (persons on active duty with the United States Army, Air Force, Navy, Marine Corps, or Coast Guard).

Not in Labor Force—All persons 16 years old and over who are not classified as members of the labor force. This category consists mainly of students, housewives, retired workers, seasonal workers enumerated in an *off* season who were not looking for work, institutionalized persons, and persons doing only incidental unpaid family work (less than 15 hours during the reference week).

Worker—This term appears in connection with several subjects: journey-to-work items, class of worker, weeks worked in 1989, and number of workers in family in 1989. Its meaning varies and, therefore, should be determined in each case by referring to the definition of the subject in which it appears.

Actual Hours Worked Last Week—All persons who reported working during the reference week were asked to report in questionnaire item 21b the number of hours that they worked. The statistics on hours worked pertain to the number of hours actually worked at all jobs, and do not necessarily reflect the number of hours typically or usually worked or the scheduled number of hours. The concept of “actual hours” differs from that of “usual hours” described below. The number of persons who worked only a small number of hours is probably understated since such persons sometimes consider themselves as not working. Respondents were asked to include overtime or extra hours worked, but to exclude lunch hours, sick leave, and vacation leave.

Limitation of the Data—The census may understate the number of employed persons because persons who have irregular, casual, or unstructured jobs sometimes report themselves as not working. The number of employed persons “at work” is probably overstated in the census (and conversely, the number of employed “with a job, but not at work” is understated) since some persons on vacation or sick leave erroneously reported themselves as working. This problem has no effect on the total number of employed persons. The reference week for the employment data is not the same for all persons. Since persons can change their employment status from one week to another, the lack of a uniform reference week may mean that the employment data do not reflect the reality of the employment situation of any given week. (For more information, see the discussion under “Reference Week.”)

Comparability—The questionnaire items and employment status concepts for the 1990 census are essentially the same as those used in the 1980 and 1970 censuses. However, these concepts differ in many respects from those associated with the 1950 and 1960 censuses.

Since employment data from the census are obtained from respondents in households, they differ from statistics based on reports from individual business establishments, farm enterprises, and certain government programs. Persons employed at more than one job are counted only once in the census and are classified according to the job at which they worked the greatest number of hours during the reference week. In statistics based on reports from business and farm establishments, persons who work for more than one establishment may be counted more than once. Moreover, some tabulations may exclude private household workers, unpaid family workers, and self-employed persons, but may include workers less than 16 years of age.

An additional difference in the data arises from the fact that persons who had a job but were not at work are included with the employed in the census statistics, whereas many of these persons are likely to be excluded from employment figures based on establishment payroll reports. Furthermore, the employment status data in census tabulations include persons on the basis of place of residence regardless of where they work, whereas establishment data report persons at their place of work regardless of where they live. This latter consideration is particularly significant when comparing data for workers who commute between areas.

Census data on actual hours worked during the reference week may differ from data from other sources. The census measures hours actually worked, whereas some surveys measure hours paid for by employers. Comparability of census actual hours worked data may also be affected by the nature of the reference week (see “Reference Week”).

For several reasons, the unemployment figures of the Census Bureau are not comparable with published figures on unemployment compensation claims. For example,

figures on unemployment compensation claims exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (including some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers). In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used by the Census Bureau. Persons working only a few hours during the week and persons with a job but not at work are sometimes eligible for unemployment compensation but are classified as "Employed" in the census. Differences in the geographical distribution of unemployment data arise because the place where claims are filed may not necessarily be the same as the place of residence of the unemployed worker.

The figures on employment status from the decennial census are generally comparable with similar data collected in the Current Population Survey. However, some difference may exist because of variations in enumeration and processing techniques.

FERTILITY

The data on fertility (also referred to as "children ever born") were derived from answers to questionnaire item 20, which was asked of a sample of women 15 years old and over regardless of marital status. Stillbirths, stepchildren, and adopted children were excluded from the number of children ever born. Ever-married women were instructed to include all children born to them before and during their most recent marriage, children no longer living, and children away from home, as well as children who were still living in the home. Never-married women were instructed to include all children born to them.

Data are most frequently presented in terms of the aggregate number of children ever born to women in the specified category and in terms of the rate per 1,000 women. For purposes of calculating the aggregate, the open-ended response category, "12 or more" is assigned a value of 13.

Limitation of the Data—Although the data are assumed to be less complete for out-of-wedlock births than for births occurring within marriage, comparisons of 1980 census data on the fertility of single women with other census sources and administrative records indicate that no significant differences were found between different data sources; that is, 1980 census data on children ever born to single women were complete with no significant understatements of childbearing.

Comparability—The wording of the question on children ever born was the same in 1990 as in 1980. In 1970, however, the question on children ever born was asked of all ever-married women but only of never-married women

who received self-administered questionnaires. Therefore, rates and numbers of children ever born to single women in 1970 may be understated. Data presented for children ever born to ever-married women are comparable for the 1990 census and all previous censuses containing this question.

GROUP QUARTERS

All persons not living in households are classified by the Census Bureau as living in group quarters. Two general categories of persons in group quarters are recognized: (1) institutionalized persons and (2) other persons in group quarters (also referred to as "noninstitutional group quarters").

Institutionalized Persons—Includes persons under formally authorized, supervised care or custody in institutions at the time of enumeration. Such persons are classified as "patients or inmates" of an institution regardless of the availability of nursing or medical care, the length of stay, or the number of persons in the institution. Generally, institutionalized persons are restricted to the institutional buildings and grounds (or must have passes or escorts to leave) and thus have limited interaction with the surrounding community. Also, they are generally under the care of trained staff who have responsibility for their safekeeping and supervision.

Type of Institution—The type of institution was determined as part of census enumeration activities. For institutions which specialize in only one specific type of service, all patients or inmates were given the same classification. For institutions which had multiple types of major services (usually general hospitals and Veterans' Administration hospitals), patients were classified according to selected types of wards. For example, in psychiatric wards of hospitals, patients were classified in "mental (psychiatric) hospitals"; in hospital wards for persons with chronic diseases, patients were classified in "hospitals for the chronically ill." Each patient or inmate was classified in only one type of institution. Institutions include the following types:

Correctional Institutions—Includes prisons, Federal detention centers, military stockades and jails, police lockups, halfway houses, local jails, and other confinement facilities, including work farms.

Prisons—Where persons convicted of crimes serve their sentences. In some census products, the prisons are classified by two types of control: (1) "Federal" (operated by the Bureau of Prisons of the Department of Justice) and (2) "State." Residents who are criminally insane were classified on the basis of where they resided at the time of enumeration: (1) in institutions (or hospital wards)

operated by departments of correction or similar agencies; or (2) in institutions operated by departments of mental health or similar agencies.

Federal Detention Centers—Operated by the Immigration and Naturalization Service (INS) and the Bureau of Prisons. These facilities include detention centers used by the Park Police; Bureau of Indian Affairs Detention Centers; INS Centers, such as the INS Federal Alien Detention Facility; INS Processing Centers; and INS Contract Detention Centers used to detain aliens under exclusion or deportation proceedings, as well as those aliens who have not been placed into proceedings, such as custodial required departures; and INS Detention Centers operated within local jails, and State and Federal prisons.

Military Stockades, Jails—Operated by military police and used to hold persons awaiting trial or convicted of violating military laws.

Local Jails and Other Confinement Facilities—Includes facilities operated by counties and cities that primarily hold persons beyond arraignment, usually for more than 48 hours. Also included in this category are work farms used to hold persons awaiting trial or serving time on relatively short sentences and jails run by private businesses under contract for local governments (but *not* by State governments).

Police Lockups—Temporary-holding facilities operated by county and city police that hold persons for 48 hours or less only if they have not been formally charged in court.

Halfway Houses—Operated for correctional purposes and include probation and restitution centers, pre-release centers, and community-residential centers.

Other Types of Correctional Institutions—Privately operated correctional facilities and correctional facilities specifically for alcohol/drug abuse.

Nursing Homes—Comprises a heterogeneous group of places. The majority of patients are elderly, although persons who require nursing care because of chronic physical conditions may be found in these homes regardless of their age. Included in this category are skilled-nursing facilities, intermediate-care facilities, long-term care rooms in wards or buildings on the grounds of hospitals, or long-term care rooms/nursing wings in congregate housing facilities. Also included are nursing, convalescent, and rest homes, such as soldiers', sailors', veterans', and fraternal or religious homes for the aged, with or without nursing care. In some census products, nursing homes are classified by type of ownership as "Federal," "State," "Private not-for-profit," and "Private for profit."

Mental (Psychiatric) Hospitals—Includes hospitals or wards for the criminally insane not operated by a prison, and psychiatric wards of general hospitals and veterans' hospitals. Patients receive supervised medical/nursing care from formally-trained staff. In some census products, mental hospitals are classified by type of ownership as "Federal," "State or local," "Private," and "Ownership not known."

Hospitals for Chronically Ill—Includes hospitals for patients who require long-term care, including those in military hospitals and wards for the chronically ill located on military bases; or other hospitals or wards for the chronically ill, which include tuberculosis hospitals or wards, wards in general and Veterans' Administration hospitals for the chronically ill, neurological wards, hospices, wards for patients with Hansen's Disease (leprosy) and other incurable diseases, and other unspecified wards for the chronically ill. Patients who had no usual home elsewhere were enumerated as part of the institutional population in the wards of general and military hospitals. Most hospital patients are at the hospital temporarily and were enumerated at their usual place of residence. (For more information, see "Wards in General and Military Hospitals for Patients Who Have No Usual Home Elsewhere.")

Schools, Hospitals, or Wards for the Mentally Retarded—Includes those institutions such as wards in hospitals for the mentally retarded, and intermediate-care facilities for the mentally retarded that provide supervised medical/nursing care from formally-trained staff. In some census products, this category is classified by type of ownership as "Federal," "State or local," "Private," and "Ownership not known."

Schools, Hospitals, or Wards for the Physically Handicapped—Includes three types of institutions: institutions for the blind, those for the deaf, and orthopedic wards and institutions for the physically handicapped. Institutions for persons with speech problems are classified with "institutions for the deaf." The category "orthopedic wards and institutions for the physically handicapped" includes those institutions providing relatively long-term care to accident victims, and to persons with polio, cerebral palsy, and muscular dystrophy. In some census products, this category is classified by type of ownership as "Public," "Private," and "Ownership not known."

Hospitals, and Wards for Drug/Alcohol Abuse—Includes hospitals, and hospital wards in psychiatric and general hospitals. These facilities are equipped medically and designed for the diagnosis and treatment of medical or psychiatric illnesses associated with alcohol or drug abuse. Patients receive supervised medical care from formally-trained staff.

Wards in General and Military Hospitals for Patients Who Have No Usual Home Elsewhere—Includes maternity, neonatal, pediatric (including wards for boarder babies), military, and surgical wards of hospitals, and wards for persons with infectious diseases.

Juvenile Institutions—Includes homes, schools, and other institutions providing care for children (short- or long-term care). Juvenile institutions include the following types:

Homes for Abused, Dependent, and Neglected Children—Includes orphanages and other institutions which provide long-term care (usually more than 30 days) for children. This category is classified in some census products by type of ownership as "Public" and "Private."

Residential Treatment Centers—Includes those institutions which primarily serve children who, by clinical diagnosis, are moderately or seriously disturbed emotionally. Also, these institutions provide long-term treatment services, usually supervised or directed by a psychiatrist.

Training Schools for Juvenile Delinquents—Includes residential training schools or homes, and industrial schools, camps, or farms for juvenile delinquents.

Public Training Schools for Juvenile Delinquents—Usually operated by a State agency (for example, department of welfare, corrections, or a youth authority). Some are operated by county and city governments. These public training schools are specialized institutions serving delinquent children, generally between the ages of 10 and 17 years old, all of whom are committed by the courts.

Private Training Schools—Operated under private auspices. Some of the children they serve are committed by the courts as delinquents. Others are referred by parents or social agencies because of delinquent behavior. One difference between private and public training schools is that, by their administrative policy, private schools have control over their selection and intake.

Detention Centers—Includes institutions providing short-term care (usually 30 days or less) primarily for delinquent children pending disposition of their cases by a court. This category also covers diagnostic centers. In practice, such institutions may be caring for both delinquent and neglected children pending court disposition.

Other Persons in Group Quarters (also referred to as "noninstitutional group quarters")—Includes all persons who live in group quarters other than institutions. Persons who live in the following living quarters are

classified as "other persons in group quarters" when there are 10 or more unrelated persons living in the unit; otherwise, these living quarters are classified as housing units.

Rooming Houses—Includes persons residing in rooming and boarding houses and living in quarters with 10 or more unrelated persons.

Group Homes—Includes "community-based homes" that provide care and supportive services. Such places include homes for the mentally ill, mentally retarded, and physically handicapped; drug/alcohol halfway houses; communes; and maternity homes for unwed mothers.

Homes for the Mentally Ill—Includes community-based homes that provide care primarily for the mentally ill. In some data products, this category is classified by type of ownership as "Federal," "State," "Private," and "Ownership not known." Homes which combine treatment of the physically handicapped with treatment of the mentally ill are counted as homes for the mentally ill.

Homes for the Mentally Retarded—Includes community-based homes that provide care primarily for the mentally retarded. Homes which combine treatment of the physically handicapped with treatment of the mentally retarded are counted as homes for the mentally retarded. This category is classified by type of ownership in some census products, as "Federal," "State," "Private," or "Ownership not known."

Homes for the Physically Handicapped—Includes community-based homes for the blind, for the deaf, and other community-based homes for the physically handicapped. Persons with speech problems are classified with homes for the deaf. In some census products, this category is classified by type of ownership as "Public," "Private," or "Ownership not known."

Homes or Halfway Houses for Drug/Alcohol Abuse—Includes persons with no usual home elsewhere in places that provide community-based care and supportive services to persons suffering from a drug/alcohol addiction and to recovering alcoholics and drug abusers. Places providing community-based care for drug and alcohol abusers include group homes, detoxification centers, quarterway houses (residential treatment facilities that work closely with accredited hospitals), halfway houses, and recovery homes for ambulatory, mentally competent recovering alcoholics and drug abusers who may be re-entering the work force.

Maternity Homes for Unwed Mothers—Includes persons with no usual home elsewhere in places that provide domestic care for unwed mothers and their

children. These homes may provide social services and post-natal care within the facility, or may make arrangements for women to receive such services in the community. Nursing services are usually available in the facility.

Other Group Homes—Includes persons with no usual home elsewhere in communes, foster care homes, and job corps centers with 10 or more unrelated persons. These types of places provide communal living quarters, generally for persons who have formed their own community in which they have common interests and often share or own property jointly.

Religious Group Quarters—Includes, primarily, group quarters for nuns teaching in parochial schools and for priests living in rectories. It also includes other convents and monasteries, except those associated with a general hospital or an institution.

College Quarters Off Campus—Includes privately-owned rooming and boarding houses off campus, if the place is reserved exclusively for occupancy by college students and if there are 10 or more unrelated persons. In census products, persons in this category are classified as living in a college dormitory.

Persons residing in certain other types of living arrangements are classified as living in "noninstitutional group quarters" regardless of the number of people sharing the unit. These include persons residing in the following types of group quarters:

College Dormitories—Includes college students in dormitories (provided the dormitory is restricted to students who do not have their families living with them), fraternity and sorority houses, and on-campus residential quarters used exclusively for those in religious orders who are attending college. Students in privately-owned rooming and boarding houses off campus are also included, if the place is reserved exclusively for occupancy by college-level students and if there are 10 or more unrelated persons.

Military Quarters—Includes military personnel living in barracks and dormitories on base, in transient quarters on base for temporary residents (both civilian and military), and on military ships. However, patients in military hospitals receiving treatment for chronic diseases or who had no usual home elsewhere, and persons being held in military stockades were included as part of the institutional population.

Agriculture Workers' Dormitories—Includes persons in migratory farm workers' camps on farms, bunkhouses for ranch hands, and other dormitories on farms, such as those on "tree farms."

Other Workers' Dormitories—Includes persons in logging camps, construction workers' camps, firehouse dormitories, job-training camps, energy enclaves (Alaska only), and nonfarm migratory workers' camps (for example, workers in mineral and mining camps).

Emergency Shelters for Homeless Persons (with sleeping facilities) and Visible in Street Locations—Includes persons enumerated during the "Shelter-and-Street-Night" operation primarily on March 20-21, 1990. Enumerators were instructed not to ask if a person was "homeless." If a person was at one of the locations below on March 20-21, the person was counted as described below. (For more information on the "Shelter-and-Street-Night" operation, see Appendix D, Collection and Processing Procedures.) This category is divided into four classifications:

Emergency Shelters for Homeless Persons (with sleeping facilities)—Includes persons who stayed overnight on March 20, 1990, in permanent and temporary emergency housing, missions, hotels/motels, and flophouses charging \$12 or less (excluding taxes) per night; Salvation Army shelters, hotels, and motels used *entirely* for homeless persons regardless of the nightly rate charged; rooms in hotels and motels used *partially* for the homeless; and similar places known to have persons who have no usual home elsewhere staying overnight. If not shown separately, shelters and group homes that provide *temporary* sleeping facilities for runaway, neglected, and homeless children are included in this category in data products.

Shelters for Runaway, Neglected, and Homeless Children—Includes shelters/group homes which provide *temporary* sleeping facilities for juveniles.

Visible in Street Locations—Includes street blocks and open public locations designated before March 20, 1990, by city and community officials as places where the homeless congregate at night. All persons found at predesignated street sites from 2 a.m. to 4 a.m. and leaving abandoned or boarded-up buildings from 4 a.m. to 8 a.m. on March 21, 1990, were enumerated during "street" enumeration, except persons in uniform such as police and persons engaged in obvious money-making activities other than begging or panhandling. Enumerators were instructed not to ask if a person was "homeless."

This cannot be considered a complete count of all persons living on the streets because those who were so well hidden that local people did not know where to find them were likely to have been missed as were persons moving about or in places not identified by local officials. It is also possible that persons with homes could have been included in the count of "visible in street locations" if they were present when the enumerator did the enumeration of a particular block.

Pre-designated street sites include street corners, parks, bridges, persons emerging from abandoned and boarded-up buildings, noncommercial campsites (tent cities), all-night movie theaters, all-night restaurants, emergency hospital waiting rooms, train stations, airports, bus depots, and subway stations.

Shelters for Abused Women (Shelters Against Domestic Violence or Family Crisis Centers)—Includes community-based homes or shelters that provide domiciliary care for women who have sought shelter from family violence and who may have been physically abused. Most shelters also provide care for children of abused women. These shelters may provide social services, meals, psychiatric treatment, and counseling. In some census products, “shelters for abused women” are included in the category “other noninstitutional group quarters.”

Dormitories for Nurses and Interns in General and Military Hospitals—Includes group quarters for nurses and other staff members. It excludes patients.

Crews of Maritime Vessels—Includes officers, crew members, and passengers of maritime U.S. flag vessels. All ocean-going and Great Lakes ships are included.

Staff Residents of Institutions—Includes staff residing in group quarters on institutional grounds who provide formally-authorized, supervised care or custody for the institutionalized population.

Other Nonhousehold Living Situations—Includes persons with no usual home elsewhere enumerated during transient or “T-Night” enumeration at YMCA’s, YWCA’s, youth hostels, commercial and government-run campgrounds, campgrounds at racetracks, fairs, and carnivals, and similar transient sites.

Living Quarters for Victims of Natural Disasters—Includes living quarters for persons temporarily displaced by natural disasters.

Limitation of the Data—Two types of errors can occur in the classification of “types of group quarters”:

1. *Misclassification of Group Quarters*—During the 1990 Special Place Prelist operation, the enumerator determined the type of group quarters associated with each special place in their assignment. The enumerator used the Alphabetical Group Quarters Code List and Index to the Alphabetical Group Quarters Code List to assign a two-digit code number followed by either an “I,” for institutional, or an “N,” for noninstitutional to each group quarters. In 1990, unacceptable group quarter codes were edited. (For more information on editing of unacceptable data, see Appendix C, Accuracy of the Data.)

2. *No Classification (unknowns)*—The imputation rate for type of institution was higher in 1980 (23.5 percent) than in 1970 (3.3 percent). Improvements were made to the 1990 Alphabetical Group Quarters Code List; that is, the inclusion of more group quarters categories and an “Index to the Alphabetical Group Quarters Code List.” (For more information on the allocation rates for Type of Institution, see the allocation rates in 1990 CP-1, *General Population Characteristics*.)

In previous censuses, allocation rates for demographic characteristics (such as age, sex, race, and marital status) of the institutional population were similar to those for the total population. The allocation rates for sample characteristics such as school enrollment, highest grade completed, income, and veteran status for the institutional and noninstitutional group quarters population have been substantially higher than the population in households at least as far back as the 1960 census. The data, however, have historically presented a reasonable picture of the institutional and noninstitutional group quarters population.

Shelter and Street Night (S-Night)—For the 1990 census “Shelter-and-Street-Night” operation, persons well hidden, moving about, or in locations enumerators did not visit were likely to be missed. The number of people missed will never be known; thus, the 1990 census cannot be considered to include a definitive count of America’s total homeless population. It does, however, give an idea of relative differences among areas of the country. Other components were counted as part of regular census procedures.

The count of persons in shelters and visible on the street could have been affected by many factors. How much the factors affected the count can never be answered definitively, but some elements include:

1. How well enumerators were trained and how well they followed procedures.
2. How well the list of shelter and street locations given to the Census Bureau by the local government reflected the actual places that homeless persons stay at night.
3. Cities were encouraged to open temporary shelters for census night, and many did that and actively encouraged people to enter the shelters. Thus, people who may have been on the street otherwise were in shelters the night of March 20, so that the ratio of shelter-to-street population could be different than usual.
4. The weather, which was unusually cold in some parts of the country, could affect how likely people were to seek emergency shelter or to be more hidden than usual if they stayed outdoors.
5. The media occasionally interfered with the ability to do the count.
6. How homeless people perceived the census and whether they wanted to be counted or feared the census and hid from it.

The Census Bureau conducted two assessments of Shelter and Street Night: (1) the quality of the lists of shelters used for the Shelter-and-Street-Night operation, and (2) how well procedures were followed by census-takers for the street count in parts of five cities (Chicago, Los Angeles, New Orleans, New York, and Phoenix). Information about these two assessments is available from the Chief, Center for Survey Methods Research, Bureau of the Census, Washington, DC 20233.

Comparability—For the 1990 census, the definition of institutionalized persons was revised so that the definition of “care” only includes persons under organized medical or formally-authorized, supervised care or custody. As a result of this change to the institutional definition, maternity homes are classified as noninstitutional rather than institutional group quarters as in previous censuses. The following types of other group quarters are classified as institutional rather than noninstitutional group quarters: “halfway houses (operated for correctional purposes)” and “wards in general and military hospitals for patients who have no usual home elsewhere,” which includes maternity, neonatal, pediatric, military, and surgical wards of hospitals, other-purpose wards of hospitals, and wards for infectious diseases. These changes should not significantly affect the comparability of data with earlier censuses because of the relatively small number of persons involved.

As in 1980, 10 or more unrelated persons living together were classified as living in noninstitutional group quarters. In 1970, the criteria was six or more unrelated persons.

Several changes also have occurred in the identification of specific types of group quarters. For the first time, the 1990 census identifies separately the following types of correctional institutions: persons in halfway houses (operated for correctional purposes), military stockades and jails, and police lockups. In 1990, tuberculosis hospitals or wards are included with hospitals for the chronically ill; in 1980, they were shown separately. For 1990, the noninstitutional group quarters category, “Group homes” is further classified as: group homes for drug/alcohol abuse; maternity homes (for unwed mothers), group homes for the mentally ill, group homes for the mentally retarded, and group homes for the physically handicapped. Persons living in communes, foster-care homes, and job corps centers are classified with “Other group homes” only if 10 or more unrelated persons share the unit; otherwise, they are classified as housing units.

In 1990, workers’ dormitories were classified as group quarters regardless of the number of persons sharing the dorm. In 1980, 10 or more unrelated persons had to share the dorm for it to be classified as a group quarters. In 1960, data on persons in military barracks were shown only for men. In subsequent censuses, they include both men and women.

In 1990 census data products, the phrase “inmates of institutions” was changed to “institutionalized persons.” Also, persons living in noninstitutional group quarters were

referred to as “other persons in group quarters,” and the phrase “staff residents” was used for staff living in institutions.

In 1990, there are additional institutional categories and noninstitutional group quarters categories compared with the 1980 census. The institutional categories added include “hospitals and wards for drug/alcohol abuse” and “military hospitals for the chronically ill.” The noninstitutional group quarters categories added include emergency shelters for homeless persons; shelters for runaway, neglected, and homeless children; shelters for abused women; and visible-in-street locations. Each of these noninstitutional group quarters categories was enumerated on March 20-21, 1990, during the “Shelter-and-Street-Night” operation. (For more information on the “Shelter-and-Street-Night” operation, see Appendix D, Collection and Processing Procedures.)

HISPANIC ORIGIN

The data on Spanish/Hispanic origin were derived from answers to questionnaire item 7, which was asked of all persons. Persons of Hispanic origin are those who classified themselves in one of the specific Hispanic origin categories listed on the questionnaire—“Mexican,” “Puerto Rican,” or “Cuban”—as well as those who indicated that they were of “other Spanish/Hispanic” origin. Persons of “Other Spanish/Hispanic” origin are those whose origins are from Spain, the Spanish-speaking countries of Central or South America, or the Dominican Republic, or they are persons of Hispanic origin identifying themselves generally as Spanish, Spanish-American, Hispanic, Hispano, Latino, and so on. Write-in responses to the “other Spanish/Hispanic” category were coded only for sample data.

Origin can be viewed as the ancestry, nationality group, lineage, or country of birth of the person or the person’s parents or ancestors before their arrival in the United States. Persons of Hispanic origin may be of any race.

Some tabulations are shown by the Hispanic origin of the householder. In all cases where households, families, or occupied housing units are classified by Hispanic origin, the Hispanic origin of the householder is used. (See the discussion of householder under “Household Type and Relationship.”)

During direct interviews conducted by enumerators, if a person could not provide a single origin response, he or she was asked to select, based on self-identification, the group which best described his or her origin or descent. If a person could not provide a single group, the origin of the person’s mother was used. If a single group could not be provided for the person’s mother, the first origin reported by the person was used.

If any household member failed to respond to the Spanish/Hispanic origin question, a response was assigned by the computer according to the reported entries of other household members by using specific rules of precedence of household relationship. In the processing of sample

questionnaires, responses to other questions on the questionnaire, such as ancestry and place of birth, were used to assign an origin before any reference was made to the origin reported by other household members. If an origin was not entered for any household member, an origin was assigned from another household according to the race of the householder. This procedure is a variation of the general imputation process described in Appendix C, Accuracy of the Data.

Comparability—There may be differences between the total Hispanic origin population based on 100-percent tabulations and sample tabulations. Such differences are the result of sampling variability, nonsampling error, and more extensive edit procedures for the Spanish/Hispanic origin item on the sample questionnaires. (For more information on sampling variability and nonsampling error, see Appendix C, Accuracy of the Data.)

The 1990 data on Hispanic origin are generally comparable with those for the 1980 census. However, there are some differences in the format of the Hispanic origin question between the two censuses. For 1990, the word “descent” was deleted from the 1980 wording. In addition, the term “Mexican-Amer.” used in 1980 was shortened further to “Mexican-Am.” to reduce misreporting (of “American”) in this category detected in the 1980 census. Finally, the 1990 question allowed those who reported as “other Spanish/Hispanic” to write in their specific Hispanic origin group.

Misreporting in the “Mexican-Amer.” category of the 1980 census item on Spanish/Hispanic origin may affect the comparability of 1980 and 1990 census data for persons of Hispanic origin for certain areas of the country. An evaluation of the 1980 census item on Spanish/Hispanic origin indicated that there was misreporting in the Mexican origin category by White and Black persons in certain areas. The study results showed evidence that the misreporting occurred in the South (excluding Texas), the Northeast (excluding the New York City area), and a few States in the Midwest Region. Also, results based on available data suggest that the impact of possible misreporting of Mexican origin in the 1980 census was severe in those portions of the above-mentioned regions where the Hispanic origin population was generally sparse. However, national 1980 census data on the Mexican origin population or total Hispanic origin population at the national level was not seriously affected by the reporting problem. (For a more detailed discussion of the evaluation of the 1980 census Spanish/Hispanic origin item, see the 1980 census Supplementary Reports.)

The 1990 and 1980 census data on the Hispanic population are not directly comparable with 1970 Spanish origin data because of a number of factors: (1) overall improvements in the 1980 and 1990 censuses, (2) better coverage of the population, (3) improved question designs, and (4) an effective public relations campaign by the Census Bureau with the assistance of national and community ethnic groups.

Specific changes in question design between the 1980 and 1970 censuses included the placement of the category “No, not Spanish/Hispanic” as the first category in that question. (The corresponding category appeared last in the 1970 question.) Also, the 1970 category “Central or South American” was deleted because in 1970 some respondents misinterpreted the category; furthermore, the designations “Mexican-American” and “Chicano” were added to the Spanish/Hispanic origin question in 1980. In the 1970 census, the question on Spanish origin was asked of only a 5-percent sample of the population.

HOUSEHOLD TYPE AND RELATIONSHIP

Household

A household includes all the persons who occupy a housing unit. A housing unit is a house, an apartment, a mobile home, a group of rooms, or a single room that is occupied (or if vacant, is intended for occupancy) as separate living quarters. Separate living quarters are those in which the occupants live and eat separately from any other persons in the building and which have direct access from the outside of the building or through a common hall. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements.

In 100-percent tabulations, the count of households or householders always equals the count of occupied housing units. In sample tabulations, the numbers may differ as a result of the weighting process.

Persons Per Household—A measure obtained by dividing the number of persons in households by the number of households (or householders). In cases where persons in households are cross-classified by race or Hispanic origin, persons in the household are classified by the race or Hispanic origin of the householder rather than the race or Hispanic origin of each individual.

Relationship to Householder

Householder—The data on relationship to householder were derived from answers to questionnaire item 2, which was asked of all persons in housing units. One person in each household is designated as the householder. In most cases, this is the person, or one of the persons, in whose name the home is owned, being bought, or rented and who is listed in column 1 of the census questionnaire. If there is no such person in the household, any adult household member 15 years old and over could be designated as the householder.

Households are classified by type according to the sex of the householder and the presence of relatives. Two types of householders are distinguished: a family householder and a nonfamily householder. A family householder

is a householder living with one or more persons related to him or her by birth, marriage, or adoption. The householder and all persons in the household related to him or her are family members. A nonfamily householder is a householder living alone or with nonrelatives only.

Spouse—Includes a person married to and living with a householder. This category includes persons in formal marriages, as well as persons in common-law marriages.

The number of spouses is equal to the number of “married-couple families” or “married-couple households” in 100-percent tabulations. The number of spouses, however, is generally less than half of the number of “married persons with spouse present” in sample tabulations, since more than one married couple can live in a household, but only spouses of householders are specifically identified as “spouse.” For sample tabulations, the number of “married persons with spouse present” includes married-couple subfamilies and married-couple families.

Child—Includes a son or daughter by birth, a stepchild, or adopted child of the householder, regardless of the child’s age or marital status. The category excludes sons-in-law, daughters-in-law, and foster children.

Natural-Born or Adopted Son/Daughter—A son or daughter of the householder by birth, regardless of the age of the child. Also, this category includes sons or daughters of the householder by legal adoption, regardless of the age of the child. If the stepson/stepdaughter of the householder has been legally adopted by the householder, the child is still classified as a stepchild.

Stepson/Stepdaughter—A son or daughter of the householder through marriage but not by birth, regardless of the age of the child. If the stepson/stepdaughter of the householder has been legally adopted by the householder, the child is still classified as a stepchild.

Own Child—A never-married child under 18 years who is a son or daughter by birth, a stepchild, or an adopted child of the householder. In certain tabulations, own children are further classified as living with two parents or with one parent only. Own children of the householder living with two parents are by definition found only in married-couple families.

In a subfamily, an “own child” is a never-married child under 18 years of age who is a son, daughter, stepchild, or an adopted child of a mother in a mother-child subfamily, a father in a father-child subfamily, or either spouse in a married-couple subfamily.

“Related children” in a family include own children and all other persons under 18 years of age in the household, regardless of marital status, who are related to the householder, except the spouse of the householder. Foster children are not included since they are not related to the householder.

Other Relatives—In tabulations, includes any household member related to the householder by birth, marriage, or adoption, but not included specifically in another relationship category. In certain detailed tabulations, the following categories may be shown:

Grandchild—The grandson or granddaughter of the householder.

Brother/Sister—The brother or sister of the householder, including stepbrothers, stepsisters, and brothers and sisters by adoption. Brothers-in-law and sisters-in-law are included in the “Other relative” category on the questionnaire.

Parent—The father or mother of the householder, including a stepparent or adoptive parent. Fathers-in-law and mothers-in-law are included in the “Other relative” category on the questionnaire.

Other Relatives—Anyone not listed in a reported category above who is related to the householder by birth, marriage, or adoption (brother-in-law, grandparent, nephew, aunt, mother-in-law, daughter-in-law, cousin, and so forth).

Nonrelatives—Includes any household member, including foster children not related to the householder by birth, marriage, or adoption. The following categories may be presented in more detailed tabulations:

Roomer, Boarder, or Foster Child—Roomer, boarder, lodger, and foster children or foster adults of the householder.

Housemate or Roommate—A person who is not related to the householder and who shares living quarters primarily in order to share expenses.

Unmarried Partner—A person who is not related to the householder, who shares living quarters, and who has a close personal relationship with the householder.

Other Nonrelatives—A person who is not related by birth, marriage, or adoption to the householder and who is not described by the categories given above.

When relationship is not reported for an individual, it is imputed according to the responses for age, sex, and marital status for that person while maintaining consistency with responses for other individuals in the household. (For more information on imputation, see Appendix C, Accuracy of the Data.)

Unrelated Individual

An unrelated individual is: (1) a householder living alone or with nonrelatives only, (2) a household member who is not related to the householder, or (3) a person living in group quarters who is not an inmate of an institution.

Family Type

A family consists of a householder and one or more other persons living in the same household who are related to the householder by birth, marriage, or adoption. All persons in a household who are related to the householder are regarded as members of his or her family. A household can contain only one family for purposes of census tabulations. Not all households contain families since a household may comprise a group of unrelated persons or one person living alone.

Families are classified by type as either a "married-couple family" or "other family" according to the sex of the householder and the presence of relatives. The data on family type are based on answers to questions on sex and relationship which were asked on a 100-percent basis.

Married-Couple Family—A family in which the householder and his or her spouse are enumerated as members of the same household.

Other Family:

Male Householder, No Wife Present—A family with a male householder and no spouse of householder present.

Female Householder, No Husband Present—A family with a female householder and no spouse of householder present.

Persons Per Family—A measure obtained by dividing the number of persons in families by the total number of families (or family householders). In cases where the measure, "persons in family" or "persons per family" are cross-tabulated by race or Hispanic origin, the race or Hispanic origin refers to the householder rather than the race or Hispanic origin of each individual.

Subfamily

A subfamily is a married couple (husband and wife enumerated as members of the same household) with or without never-married children under 18 years old, or one parent with one or more never-married children under 18 years old, living in a household and related to, but not including, either the householder or the householder's spouse. The number of subfamilies is not included in the count of families, since subfamily members are counted as part of the householder's family.

Subfamilies are defined during processing of sample data. In selected tabulations, subfamilies are further classified by type: married-couple subfamilies, with or without own children; mother-child subfamilies; and father-child subfamilies.

Lone parents include people maintaining either one-parent families or one-parent subfamilies. Married couples include husbands and wives in both married-couple families and married-couple subfamilies.

Unmarried-Partner Household

An unmarried-partner household is a household other than a "married-couple household" that includes a householder and an "unmarried partner." An "unmarried partner" can be of the same sex or of the opposite sex of the householder. An "unmarried partner" in an "unmarried-partner household" is an adult who is unrelated to the householder, but shares living quarters and has a close personal relationship with the householder.

Unmarried-Couple Household

An unmarried-couple household is composed of two unrelated adults of the opposite sex (one of whom is the householder) who share a housing unit with or without the presence of children under 15 years old.

Foster Children

Foster children are nonrelatives of the householder and are included in the category, "Roomer, boarder, or foster child" on the questionnaire. Foster children are identified as persons under 18 years old and living in households that have no nonrelatives 18 years old and over (who might be parents of the nonrelatives under 18 years old).

Stepfamily

A stepfamily is a "married-couple family" with at least one stepchild of the householder present, where the householder is the husband.

Comparability—The 1990 definition of a household is the same as that used in 1980. The 1980 relationship category "Son/daughter" has been replaced by two categories, "Natural-born or adopted son/daughter" and "Stepson/stepdaughter." "Grandchild" has been added as a separate category. The 1980 nonrelative categories: "Roomer, boarder" and "Partner, roommate" have been replaced by the categories "Roomer, boarder, or foster child," "Housemate, roommate," and "Unmarried partner." The 1980 nonrelative category "Paid employee" has been dropped.

INCOME IN 1989

The data on income in 1989 were derived from answers to questionnaire items 32 and 33. Information on money income received in the calendar year 1989 was requested from persons 15 years old and over. "Total income" is the algebraic sum of the amounts reported separately for wage or salary income; net nonfarm self-employment income; net farm self-employment income; interest, dividend, or net rental or royalty income; Social Security or railroad retirement income; public assistance or welfare income; retirement or disability income; and all other income. "Earnings" is defined as the algebraic sum of

wage or salary income and net income from farm and nonfarm self-employment. "Earnings" represent the amount of income received regularly before deductions for personal income taxes, Social Security, bond purchases, union dues, medicare deductions, etc.

Receipts from the following sources are not included as income: money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer contributions for persons, etc.; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts.

Income Type in 1989

The eight types of income reported in the census are defined as follows:

1. *Wage or Salary Income*—Includes total money earnings received for work performed as an employee during the calendar year 1989. It includes wages, salary, Armed Forces pay, commissions, tips, piece-rate payments, and cash bonuses earned before deductions were made for taxes, bonds, pensions, union dues, etc.
2. *Nonfarm Self-Employment Income*—Includes net money income (gross receipts minus expenses) from one's own business, professional enterprise, or partnership. Gross receipts include the value of all goods sold and services rendered. Expenses includes costs of goods purchased, rent, heat, light, power, depreciation charges, wages and salaries paid, business taxes (not personal income taxes), etc.
3. *Farm Self-Employment Income*—Includes net money income (gross receipts minus operating expenses) from the operation of a farm by a person on his or her own account, as an owner, renter, or sharecropper. Gross receipts include the value of all products sold, government farm programs, money received from the rental of farm equipment to others, and incidental receipts from the sale of wood, sand, gravel, etc. Operating expenses include cost of feed, fertilizer, seed, and other farming supplies, cash wages paid to farmhands, depreciation charges, cash rent, interest on farm mortgages, farm building repairs, farm taxes (not State and Federal personal income taxes), etc. The value of fuel, food, or other farm products used for family living is not included as part of net income.
4. *Interest, Dividend, or Net Rental Income*—Includes interest on savings or bonds, dividends from stockholdings or membership in associations, net income from rental of property to others and receipts from boarders or lodgers, net royalties, and periodic payments from an estate or trust fund.

5. *Social Security Income*—Includes Social Security pensions and survivors benefits and permanent disability insurance payments made by the Social Security Administration prior to deductions for medical insurance, and railroad retirement insurance checks from the U.S. Government. Medicare reimbursements are not included.
6. *Public Assistance Income*—Includes: (1) supplementary security income payments made by Federal or State welfare agencies to low income persons who are aged (65 years old or over), blind, or disabled; (2) aid to families with dependent children, and (3) general assistance. Separate payments received for hospital or other medical care (vendor payments) are excluded from this item.
7. *Retirement or Disability Income*—Includes: (1) retirement pensions and survivor benefits from a former employer, labor union, or Federal, State, county, or other governmental agency; (2) disability income from sources such as worker's compensation; companies or unions; Federal, State, or local government; and the U.S. military; (3) periodic receipts from annuities and insurance; and (4) regular income from IRA and KEOGH plans.
8. *All Other Income*—Includes unemployment compensation, Veterans Administration (VA) payments, alimony and child support, contributions received periodically from persons not living in the household, military family allotments, net gambling winnings, and other kinds of periodic income other than earnings.

Income of Households—Includes the income of the householder and all other persons 15 years old and over in the household, whether related to the householder or not. Because many households consist of only one person, average household income is usually less than average family income.

Income of Families and Persons—In compiling statistics on family income, the incomes of all members 15 years old and over in each family are summed and treated as a single amount. However, for persons 15 years old and over, the total amounts of their own incomes are used. Although the income statistics covered the calendar year 1989, the characteristics of persons and the composition of families refer to the time of enumeration (April 1990). Thus, the income of the family does not include amounts received by persons who were members of the family during all or part of the calendar year 1989 if these persons no longer resided with the family at the time of enumeration. Yet, family income amounts reported by related persons who did not reside with the family during 1989 but who were members of the family at the time of enumeration are included. However, the composition of most families was the same during 1989 as in April 1990.

Median Income—The median divides the income distribution into two equal parts, one having incomes above the median and the other having incomes below the median.

For households and families, the median income is based on the distribution of the total number of units including those with no income. The median for persons is based on persons with income. The median income values for all households, families, and persons are computed on the basis of more detailed income intervals than shown in most tabulations. Median household or family income figures of \$50,000 or less are calculated using linear interpolation. For persons, corresponding median values of \$40,000 or less are also computed using linear interpolation. All other median income amounts are derived through Pareto interpolation. (For more information on medians and interpolation, see the discussion under "Derived Measures.")

Mean Income—This is the amount obtained by dividing the total income of a particular statistical universe by the number of units in that universe. Thus, mean household income is obtained by dividing total household income by the total number of households. For the various types of income the means are based on households having those types of income. "Per capita income" is the mean income computed for every man, woman, and child in a particular group. It is derived by dividing the total income of a particular group by the total population in that group.

Care should be exercised in using and interpreting mean income values for small subgroups of the population. Because the mean is influenced strongly by extreme values in the distribution, it is especially susceptible to the effects of sampling variability, misreporting, and processing errors. The median, which is not affected by extreme values, is, therefore, a better measure than the mean when the population base is small. The mean, nevertheless, is shown in some data products for most small subgroups because, when weighted according to the number of cases, the means can be added to obtained summary measures for areas and groups other than those shown in census tabulations.

Limitation of the Data—Since questionnaire entries for income frequently are based on memory and not on records, many persons tended to forget minor or irregular sources of income and, therefore, underreport their income. Underreporting tends to be more pronounced for income sources that are not derived from earnings, such as Social Security, public assistance, or from interest, dividends, and net rental income.

There are errors of reporting due to the misunderstanding of the income questions such as reporting gross rather than net dollar amounts for the two questions on net self-employment income, which resulted in an overstatement of these items. Another common error is the reporting of identical dollar amounts in two of the eight type of income items where a respondent with only one source of income assumed that the second amount should be entered to represent total income. Such instances of

overreporting had an impact on the level of mean nonfarm or farm self-employment income and mean total income published for the various geographical subdivisions of the State.

Extensive computer editing procedures were instituted in the data processing operation to reduce some of these reporting errors and to improve the accuracy of the income data. These procedures corrected various reporting deficiencies and improved the consistency of reported income items associated with work experience and information on occupation and class of worker. For example, if persons reported they were self-employed on their own farm, not incorporated, but had reported wage and salary earnings only, the latter amount was shifted to net farm self-employment income. Also, if any respondent reported total income only, the amount was generally assigned to one of the type of income items according to responses to the work experience and class-of-worker questions. Another type of problem involved nonreporting of income data. Where income information was not reported, procedures were devised to impute appropriate values with either no income or positive or negative dollar amounts for the missing entries. (For more information on imputation, see Appendix C, Accuracy of the Data.)

In income tabulations for households and families, the lowest income group (e.g., less than \$5,000) includes units that were classified as having no 1989 income. Many of these were living on income "in kind," savings, or gifts, were newly created families, or families in which the sole breadwinner had recently died or left the household. However, many of the households and families who reported no income probably had some money income which was not recorded in the census.

The income data presented in the tabulations covers money income only. The fact that many farm families receive an important part of their income in the form of "free" housing and goods produced and consumed on the farm rather than in money should be taken into consideration in comparing the income of farm and nonfarm residents. Nonmoney income such as business expense accounts, use of business transportation and facilities, or partial compensation by business for medical and educational expenses was also received by some nonfarm residents. Many low income families also receive income "in kind" from public welfare programs. In comparing income data for 1989 with earlier years, it should be noted that an increase or decrease in money income does not necessarily represent a comparable change in real income, unless adjustments for changes in prices are made.

Comparability—The income data collected in the 1980 and 1970 censuses are similar to the 1990 census data, but there are variations in the detail of the questions. In 1980, income information for 1979 was collected from persons in approximately 19 percent of all housing units and group quarters. Each person was required to report:

- Wage or salary income

- Net nonfarm self-employment income
- Net farm self-employment income
- Interest, dividend, or net rental or royalty income
- Social Security income
- Public assistance income
- Income from all other sources

Between the 1980 and 1990 censuses, there were minor differences in the processing of the data. In both censuses, all persons with missing values in one or more of the detailed type of income items *and* total income were designated as allocated. Each missing entry was imputed either as a "no" or as a dollar amount. If total income was reported *and* one or more of the type of income fields was not answered, then the entry in total income generally was assigned to one of the income types according to the socioeconomic characteristics of the income recipient. This person was designated as unallocated.

In 1980 and 1990, all nonrespondents with income not reported (whether heads of households or other persons) were assigned the reported income of persons with similar characteristics. (For more information on imputation, see Appendix C, "Accuracy of the Data.")

There was a difference in the method of computer derivation of aggregate income from individual amounts between the two census processing operations. In the 1980 census, income amounts less than \$100,000 were coded in tens of dollars, and amounts of \$100,000 or more were coded in thousands of dollars; \$5 was added to each amount coded in tens of dollars and \$500 to each amount coded in thousands of dollars. Entries of \$999,000 or more were treated as \$999,500 and losses of \$9,999 or more were treated as minus \$9,999. In the 1990 census, income amounts less than \$999,999 were keyed in dollars. Amounts of \$999,999 or more were treated as \$999,999 and losses of \$9,999 or more were treated as minus \$9,999 in all of the computer derivations of aggregate income.

In 1970, information on income in 1969 was obtained from all members in every fifth housing unit and small group quarters (less than 15 persons) and every fifth person in all other group quarters. Each person was required to report:

- Wage or salary income
- Net nonfarm self-employment income
- Net farm self-employment income
- Social Security or Railroad Retirement
- Public assistance or welfare payments
- Income from all other sources

If a person reported a dollar amount in wage or salary, net nonfarm self-employment income, or net farm self-employment income, the person was considered as unallocated only if no further dollar amounts were imputed for any additional missing entries.

In 1960, data on income were obtained from all members in every fourth housing unit and from every fourth person 14 years old and over living in group quarters. Each person was required to report wage or salary income, net self-employment income, and income other than earnings received in 1959. An assumption was made in the editing process that no other type of income was received by a person who reported the receipt of either wage and salary income or self-employment but who had failed to report the receipt of other money income.

For several reasons, the income data shown in census tabulations are not directly comparable with those that may be obtained from statistical summaries of income tax returns. Income, as defined for Federal tax purposes, differs somewhat from the Census Bureau concept. Moreover, the coverage of income tax statistics is different because of the exemptions of persons having small amounts of income and the inclusion of net capital gains in tax returns. Furthermore, members of some families file separate returns and others file joint returns; consequently, the income reporting unit is not consistently either a family or a person.

The earnings data shown in census tabulations are not directly comparable with earnings records of the Social Security Administration. The earnings record data for 1989 excluded the earnings of most civilian government employees, some employees of nonprofit organizations, workers covered by the Railroad Retirement Act, and persons not covered by the program because of insufficient earnings. Furthermore, earnings received from any one employer in excess of \$48,000 in 1989 are not covered by earnings records. Finally, because census data are obtained from household questionnaires, they may differ from Social Security Administration earnings record data, which are based upon employers' reports and the Federal income tax returns of self-employed persons.

The Bureau of Economic Analysis (BEA) of the Department of Commerce publishes annual data on aggregate and per-capita personal income received by the population for States, metropolitan areas, and selected counties. Aggregate income estimates based on the income statistics shown in census products usually would be less than those shown in the BEA income series for several reasons. The Census Bureau data are obtained directly from households, whereas the BEA income series is estimated largely on the basis of data from administrative records of business and governmental sources. Moreover, the definitions of income are different. The BEA income series includes some items not included in the income data shown in census publications, such as income "in kind," income received by nonprofit institutions, the value of services of

banks and other financial intermediaries rendered to persons without the assessment of specific charges, Medicare payments, and the income of persons who died or emigrated prior to April 1, 1990. On the other hand, the census income data include contributions for support received from persons not residing in the same household and employer contributions for social insurance.

INDUSTRY, OCCUPATION, AND CLASS OF WORKER

The data on industry, occupation, and class of worker were derived from answers to questionnaire items 28, 29, and 30 respectively. These questions were asked of a sample of persons. Information on industry relates to the kind of business conducted by a person's employing organization; occupation describes the kind of work the person does on the job.

For employed persons, the data refer to the person's job during the reference week. For those who worked at two or more jobs, the data refer to the job at which the person worked the greatest number of hours. For unemployed persons, the data refer to their last job. The industry and occupation statistics are derived from the detailed classification systems developed for the 1990 census as described below. The *Classified Index of Industries and Occupations* provided additional information on the industry and occupation classification systems.

Respondents provided the data for the tabulations by writing on the questionnaires descriptions of their industry and occupation. These descriptions were keyed and passed through automated coding software which assigned a portion of the written entries to categories in the classification system. The automated system assigned codes to 59 percent of the industry entries and 38 percent of the occupation entries.

Those cases not coded by the computer were referred to clerical staff in the Census Bureau's Kansas City processing office for coding. The clerical staff converted the written questionnaire descriptions to codes by comparing these descriptions to entries in the *Alphabetical Index of Industries and Occupations*. For the industry code, these coders also referred to an Employer Name List (formerly called Company Name List). This list, prepared from the Standard Statistical Establishment List developed by the Census Bureau for the economic censuses and surveys, contained the names of business establishments and their Standard Industrial Classification (SIC) codes converted to population census equivalents. This list facilitated coding and maintained industrial classification comparability.

Industry

The industry classification system developed for the 1990 census consists of 236 categories for employed persons, classified into 13 major industry groups. Since

1940, the industrial classification has been based on the Standard Industrial Classification Manual (SIC). The 1990 census classification was developed from the 1987 SIC published by the Office of Management and Budget, Executive Office of the President.

The SIC was designed primarily to classify establishments by the type of industrial activity in which they were engaged. However, census data, which were collected from households, differ in detail and nature from those obtained from establishment surveys. Therefore, the census classification systems, while defined in SIC terms, cannot reflect the full detail in all categories. There are several levels of industrial classification found in census products. For example, the 1990 CP-2, *Social and Economic Characteristics* report includes 41 unique industrial categories, while the 1990 Summary Tape File 4 (STF 4) presents 72 categories.

Occupation

The occupational classification system developed for the 1990 census consists of 501 specific occupational categories for employed persons arranged into 6 summary and 13 major occupational groups. This classification was developed to be consistent with the Standard Occupational Classification (SOC) Manual: 1980, published by the Office of Federal Statistical Policy and Standards, U.S. Department of Commerce. Tabulations with occupation as the primary characteristic present several levels of occupational detail. The most detailed tabulations are shown in a special 1990 subject report and tape files on occupation. These products contain all 501 occupational categories plus industry or class of worker subgroupings of occupational categories.

Some occupation groups are related closely to certain industries. Operators of transportation equipment, farm operators and workers, and private household workers account for major portions of their respective industries of transportation, agriculture, and private households. However, the industry categories include persons in other occupations. For example, persons employed in agriculture include truck drivers and bookkeepers; persons employed in the transportation industry include mechanics, freight handlers, and payroll clerks; and persons employed in the private household industry include occupations such as chauffeur, gardener, and secretary.

Class of Worker

The data on class of worker were derived from answers to questionnaire item 30. The information on class of worker refers to the same job as a respondent's industry and occupation and categorizes persons according to the type of ownership of the employing organization. The class of worker categories are defined as follows:

Private Wage and Salary Workers—Includes persons who worked for wages, salary, commission, tips, pay-in-kind, or piece rates for a private for profit employer or a

private not-for-profit, tax-exempt or charitable organization. Self-employed persons whose business was incorporated are included with private wage and salary workers because they are paid employees of their own companies. Some tabulations present data separately for these sub-categories: "For profit," "Not for profit," and "Own business incorporated."

Employees of foreign governments, the United Nations, or other formal international organizations were classified as "Private-not-for-profit."

Government Workers—Includes persons who were employees of any local, State, or Federal governmental unit, regardless of the activity of the particular agency. For some tabulations, the data were presented separately for the three levels of government.

Self-Employed Workers—Includes persons who worked for profit or fees in their own unincorporated business, profession, or trade, or who operated a farm.

Unpaid Family Workers—Includes persons who worked 15 hours or more without pay in a business or on a farm operated by a relative.

Salaried/Self-Employed—In tabulations that categorize persons as either salaried or self-employed, the salaried category includes private and government wage and salary workers; self-employed includes self-employed persons and unpaid family workers.

The industry category, "Public administration," is limited to regular government functions such as legislative, judicial, administrative, and regulatory activities of governments. Other government organizations such as schools, hospitals, liquor stores, and bus lines are classified by industry according to the activity in which they are engaged. On the other hand, the class of worker government categories include all government workers.

Occasionally respondents supplied industry, occupation, or class of worker descriptions which were not sufficiently specific for precise classification or did not report on these items at all. Some of these cases were corrected through the field editing process and during the coding and tabulation operations. In the coding operation, certain types of incomplete entries were corrected using the *Alphabetical Index of Industries and Occupations*. For example, it was possible in certain situations to assign an industry code based on the occupation reported.

Following the coding operations, there was a computer edit and an allocation process. The edit first determined whether a respondent was in the universe which required an industry and occupation code. The codes for the three items (industry, occupation, and class of worker) were checked to ensure they were valid and were edited for their relation to each other. Invalid and inconsistent codes were either blanked or changed to a consistent code.

If one or more of the three codes were blank after the edit, a code was assigned from a "similar" person based on other items such as age, sex, education, farm or nonfarm residence, and weeks worked. If all the labor force and income data also were blank, all these economic items were assigned from one other person who provided all the necessary data.

Comparability—Comparability of industry and occupation data was affected by a number of factors, primarily the systems used to classify the questionnaire responses. For both the industry and occupation classification systems, the basic structures were generally the same from 1940 to 1970, but changes in the individual categories limited comparability of the data from one census to another. These changes were needed to recognize the "birth" of new industries and occupations, the "death" of others, and the growth and decline in existing industries and occupations, as well as, the desire of analysts and other users for more detail in the presentation of the data. Probably the greatest cause of incomparability is the movement of a segment of a category to a different category in the next census. Changes in the nature of jobs and respondent terminology, and refinement of category composition made these movements necessary.

In the 1990 census, the industry classification had minor revisions to reflect recent changes to the SIC. The 1990 occupational classification system is essentially the same as that for the 1980 census. However, the conversion of the census classification to the SOC in 1980 meant that the 1990 classification system was less comparable to the classifications used prior to the 1980 census.

Other factors that affected data comparability included the universe to which the data referred (in 1970, the age cutoff for labor force was changed from 14 years to 16 years); how the industry and occupation questions were worded on the questionnaire (for example, important changes were made in 1970); improvements in the coding procedures (the Employer Name List technique was introduced in 1960); and how the "not reported" cases are handled. Prior to 1970, they were placed in the residual categories, "Industry not reported" and "Occupation not reported." In 1970, an allocation process was introduced that assigned these cases to major groups. In 1990, as in 1980, the "Not reported" cases were assigned to individual categories. Therefore, the 1980 and 1990 data for individual categories included some numbers of persons who were tabulated in a "Not reported" category in previous censuses.

The following publications contain information on the various factors affecting comparability and are particularly useful for understanding differences in the occupation and industry information from earlier censuses: U.S. Bureau of the Census, *Changes Between the 1950 and 1960 Occupation and Industry Classifications With Detailed Adjustments of 1950 Data to the 1960 Classifications*, Technical Paper No. 18, 1968; U.S. Bureau of the Census, *1970 Occupation and Industry Classification Systems in Terms of their 1960 Occupation and Industry Elements*, Technical

Paper No. 26, 1972; and U.S. Bureau of the Census, *The Relationship Between the 1970 and 1980 Industry and Occupation Classification Systems*, Technical Paper No. 59, 1988. For citations for earlier census years, see the 1980 Census of Population report, PC80-1-D, *Detailed Population Characteristics*.

The 1990 census introduced an additional class of worker category for "private not-for-profit" employers. This category is a subset of the 1980 category "employee of private employer" so there is no comparable data before 1990. Also in 1990, employees of foreign governments, the United Nations, etc., are classified as "private not-for-profit," rather than Federal Government as in 1970 and 1980. While in theory, there was a change in comparability, in practice, the small number of U.S. residents working for foreign governments made this change negligible.

Comparability between the statistics on industry and occupation from the 1990 census and statistics from other sources is affected by many of the factors described in the section on "Employment Status." These factors are primarily geographic differences between residence and place of work, different dates of reference, and differences in counts because of dual job holding. Industry data from population censuses cover all industries and all kinds of workers, whereas, data from establishments often excluded private household workers, government workers, and the self-employed. Also, the replies from household respondents may have differed in detail and nature from those obtained from establishments.

Occupation data from the census and data from government licensing agencies, professional associations, trade unions, etc., may not be as comparable as expected. Organizational listings often include persons not in the labor force or persons devoting all or most of their time to another occupation; or the same person may be included in two or more different listings. In addition, relatively few organizations, except for those requiring licensing, attained complete coverage of membership in a particular occupational field.

JOURNEY TO WORK

Place of Work

The data on place of work were derived from answers to questionnaire item 22, which was asked of persons who indicated in question 21 that they worked at some time during the reference week. (For more information, see discussion under "Reference Week.")

Data were tabulated for workers 16 years and over; that is, members of the Armed Forces and civilians who were at work during the reference week. Data on place of work refer to the geographic location at which workers carried out their occupational activities during the reference week. The exact address (number and street) of the place of work was asked, as well as the place (city, town, or post office); whether or not the place of work was inside or

outside the limits of that city or town; and the county, State, and ZIP Code. If the person's employer operated in more than one location, the exact address of the location or branch where the respondent worked was requested. When the number and street name were unknown, a description of the location, such as the building name or nearest street or intersection, was to be entered.

Persons who worked at more than one location during the reference week were asked to report the one at which they worked the greatest number of hours. Persons who regularly worked in several locations each day during the reference week were requested to give the address at which they began work each day. For cases in which daily work did not begin at a central place each day, the person was asked to provide as much information as possible to describe the area in which he or she worked most during the reference week.

In some tabulations, place-of-work locations may be defined as "in area of residence" and "outside area of residence." The area of residence may vary from table to table or even within a table, and refers to the particular area or areas shown. For example, in a table that provides data for counties, "in area of residence" refers to persons who worked in the same county in which they lived, while "outside area of residence" refers to persons whose workplace was located in a county different from the one in which they lived. Similarly, in a table that provides data for several types of areas, such as the State and its individual metropolitan areas (MA's), counties, and places, the place-of-work data will be variable and is determined by the geographic level (State, MA, county, or place) shown in each section of the tabulation.

In tabulations that present data for States, workplaces for the residents of the State may include, in addition to the State itself, each contiguous State. The category, "in noncontiguous State or abroad," includes persons who worked in a State that did not border their State of residence as well as persons who worked outside the United States.

In tabulations that present data for an MSA/PMSA, place-of-work locations are specified to show the main destinations of workers living in the MSA/PMSA. (For more information on metropolitan areas (MA's), see Appendix A, Area Classifications.) All place-of-work locations are identified with respect to the boundaries of the MSA/PMSA as "inside MSA/PMSA" or "outside MSA/PMSA." Locations within the MSA/PMSA are further divided into each central city, and each county or county balance. Selected large incorporated places also may be specified as places of work.

Within New England MSA/PMSA's, the places of work presented generally are cities and towns. Locations outside the MSA/PMSA are specified if they are important commuting destinations for residents of the MSA/PMSA, and may include adjoining MSA/PMSA's and their central cities, their component counties, large incorporated places, or counties, cities, or other geographic areas outside any MA. In tabulations for MSA/PMSA's in New England;

Honolulu, Hawaii; and certain other MA's, some place-of-work locations are identified as "areas" (e.g., Area 1, Area 5, Area 12, etc.). Such areas consist of groups of towns, cities, census designated places (Honolulu MSA only), or counties that have been identified as unique place-of-work destinations. When an adjoining MSA/PMSA or MSA/PMSA remainder is specified as a place-of-work location, its components are not defined. However, the components are presented in the 1990 CP-1, *General Population Characteristics for Metropolitan Areas* and the 1990 CH-1, *General Housing Characteristics for Metropolitan Areas* reports. In tabulations that present data for census tracts outside MA's, place-of-work locations are defined as "in county of residence" and "outside county of residence."

In areas where the workplace address was coded to the block level, persons were tabulated as working inside or outside a specific place based on the location of that address, regardless of the response to question 22c concerning city/town limits. In areas where it was impossible to code the workplace address to the block level, persons were tabulated as working in a place if a place name was reported in question 22b and the response to question 22c was either "Yes" or the item was left blank. In selected areas, census designated places (CDP's) may appear in the tabulations as places of work. The accuracy of place-of-work data for CDP's may be affected by the extent to which their census names were familiar to respondents, and by coding problems caused by similarities between the CDP name and the names of other geographic jurisdictions in the same vicinity.

Place-of-work data are given for selected minor civil divisions (generally, cities, towns, and townships) in the nine Northeastern States, based on the responses to the place-of-work question. Many towns and townships are regarded locally as equivalent to a place and therefore, were reported as the place of work. When a respondent reported a locality or incorporated place that formed a part of a township or town, the coding and tabulating procedure was designed to include the response in the total for the township or town. The accuracy of the place-of-work data for minor civil divisions is greatest for the New England States. However, the data for some New England towns, for towns in New York, and for townships in New Jersey and Pennsylvania may be affected by coding problems that resulted from the unfamiliarity of the respondent with the minor civil division in which the workplace was located or when a township and a city or borough of the same or similar name are located close together.

Place-of-work data may show a few workers who made unlikely daily work trips (e.g., workers who lived in New York and worked in California). This result is attributable to persons who worked during the reference week at a location that was different from their usual place of work, such as persons away from home on business.

Comparability—The wording of the question on place of work was substantially the same in the 1990 census as it was in 1980. However, data on place of work from the

1990 census are based on the full census sample, while data from the 1980 census were based on only about one-half of the full sample.

For the 1980 census, nonresponse or incomplete responses to the place-of-work question were not allocated, resulting in the use of "not reported" categories in the 1980 publications. However, for the 1990 census, when place of work was not reported or the response was incomplete, a work location was allocated to the person based on their means of transportation to work, travel time to work, industry, and location of residence and workplace of others. The 1990 publications, therefore, do not contain a "not reported" category for the place-of-work data.

Comparisons between 1980 and 1990 census data on the gross number of workers in particular commuting flows, or the total number of persons working in an area, should be made with extreme caution. Any apparent increase in the magnitude of the gross numbers may be due solely to the fact that for 1990 the "not reported" cases have been distributed among specific place-of-work destinations, instead of tallied in a separate category as in 1980.

Limitation of the Data—The data on place of work relate to a reference week; that is, the calendar week preceding the date on which the respondents completed their questionnaires or were interviewed by enumerators. This week is not the same for all respondents because the enumeration was not completed in 1 week. However, for the majority of persons, the reference week for the 1990 census is the last week in March 1990. The lack of a uniform reference week means that the place-of-work data reported in the census will not exactly match the distribution of workplace locations observed or measured during an actual workweek.

The place-of-work data are estimates of persons 16 years old and over who were both employed and at work during the reference week (including persons in the Armed Forces). Persons who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons are not included in the place-of-work data. Therefore, the data on place of work understate the total number of jobs or total employment in a geographic area during the reference week. It also should be noted that persons who had irregular, casual, or unstructured jobs during the reference week may have erroneously reported themselves as not working.

The address where the individual worked most often during the reference week was recorded on the census questionnaire. If a worker held two jobs, only data about the primary job (the one worked the greatest number of hours during the preceding week) was requested. Persons who regularly worked in several locations during the reference week were requested to give the address at which they began work each day. For cases in which daily work was not begun at a central place each day, the person was

asked to provide as much information as possible to describe the area in which he or she worked most during the reference week.

Means of Transportation to Work

The data on means of transportation to work were derived from answers to questionnaire item 23a, which was asked of persons who indicated in question 21 that they worked at some time during the reference week. (For more information, see discussion under "Reference Week.") Means of transportation to work refers to the principal mode of travel or type of conveyance that the person usually used to get from home to work during the reference week.

Persons who used different means of transportation on different days of the week were asked to specify the one they used most often, that is, the greatest number of days. Persons who used more than one means of transportation to get to work each day were asked to report the one used for the longest distance during the work trip. The category, "Car, truck, or van," includes workers using a car (including company cars but excluding taxicabs), a truck of one-ton capacity or less, or a van. The category, "Public transportation," includes workers who used a bus or trolley bus, streetcar or trolley car, subway or elevated, railroad, ferryboat, or taxicab even if each mode is not shown separately in the tabulation. The category, "Other means," includes workers who used a mode of travel which is not identified separately within the data distribution. The category, "Other means," may vary from table to table, depending on the amount of detail shown in a particular distribution.

The means of transportation data for some areas may show workers using modes of public transportation that are not available in those areas (e.g., subway or elevated riders in an MA where there actually is no subway or elevated service). This result is largely due to persons who worked during the reference week at a location that was different from their usual place of work (such as persons away from home on business in an area where subway service was available) and persons who used more than one means of transportation each day but whose principal means was unavailable where they lived (for example, residents of nonmetropolitan areas who drove to the fringe of an MA and took the commuter railroad most of the distance to work).

Private Vehicle Occupancy

The data on private vehicle occupancy were derived from answers to questionnaire item 23b. This question was asked of persons who indicated in question 21 that they worked at some time during the reference week and who reported in question 23a that their means of transportation to work was "Car, truck, or van." (For more information, see discussion under "Reference Week.")

Private vehicle occupancy refers to the number of persons who usually rode to work in the vehicle during the reference week. The category, "Drove alone," includes persons who usually drove alone to work as well as persons who were driven to work by someone who then drove back home or to a nonwork destination. The category, "Carpooled," includes workers who reported that two or more persons usually rode to work in the vehicle during the reference week.

Persons Per Car, Truck, or Van—This is obtained by dividing the number of persons who reported using a car, truck, or van to get to work by the number of such vehicles that they used. The number of vehicles used is derived by counting each person who drove alone as one vehicle, each person who reported being in a two-person carpool as one-half vehicle, each person who reported being in a three-person carpool as one-third vehicle, and so on, and then summing all the vehicles.

Time Leaving Home to Go to Work

The data on time leaving home to go to work were derived from answers to questionnaire item 24a. This question was asked of persons who indicated in question 21 that they worked at some time during the reference week and who reported in question 23a that they worked outside their home. The departure time refers to the time of day that the person usually left home to go to work during the reference week. (For more information, see discussion under "Reference Week.")

Travel Time to Work

The data on travel time to work were derived from answers to questionnaire item 24b. This question was asked of persons who indicated in question 21 that they worked at some time during the reference week and who reported in question 23a that they worked outside their home. Travel time to work refers to the total number of minutes that it usually took the person to get from home to work during the reference week. The elapsed time includes time spent waiting for public transportation, picking up passengers in carpools, and time spent in other activities related to getting to work. (For more information, see discussion under "Reference Week.")

LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH

Language Spoken at Home

Data on language spoken at home were derived from the answers to questionnaire items 15a and 15b, which were asked of a sample of persons born before April 1, 1985. Instructions mailed with the 1990 census questionnaire stated that a respondent should mark "Yes" in

question 15a if the person sometimes or always spoke a language other than English at home and should not mark "Yes" if a language was spoken only at school or if speaking was limited to a few expressions or slang. For question 15b, respondents were instructed to print the name of the non-English language spoken at home. If the person spoke more than one language other than English, the person was to report the language spoken more often or the language learned first.

The cover of the census questionnaire included information in Spanish which provided a telephone number for respondents to call to request a census questionnaire and instructions in Spanish. Instruction guides were also available in 32 other languages to assist enumerators who encountered households or respondents who spoke no English.

Questions 15a and 15b referred to languages spoken at home in an effort to measure the current use of languages other than English. Persons who knew languages other than English but did not use them at home or who only used them elsewhere were excluded. Persons who reported speaking a language other than English at home may also speak English; however, the questions did not permit determination of the main or dominant language of persons who spoke both English and another language. (For more information, see discussion below on "Ability to Speak English.")

For persons who indicated that they spoke a language other than English at home in question 15a, but failed to specify the name of the language in question 15b, the language was assigned based on the language of other speakers in the household; on the language of a person of the same Spanish origin or detailed race group living in the same or a nearby area; or on a person of the same ancestry or place of birth. In all cases where a person was assigned a non-English language, it was assumed that the language was spoken at home. Persons for whom the name of a language other than English was entered in question 15b, and for whom question 15a was blank were assumed to speak that language at home.

The write-in responses listed in question 15b (specific language spoken) were transcribed onto computer files and coded into more than 380 detailed language categories using an automated coding system. The automated procedure compared write-in responses reported by respondents with entries in a computer dictionary, which initially contained approximately 2,000 language names. The dictionary was updated with a large number of new names, variations in spelling, and a small number of residual categories. Each write-in response was given a numeric code that was associated with one of the detailed categories in the dictionary. If the respondent listed more than one non-English language, only the first was coded.

The write-in responses represented the names people used for languages they speak. They may not match the names or categories used by linguists. The sets of categories used are sometimes geographic and sometimes linguistic. Figure 1 provides an illustration of the content of

the classification schemes used to present language data. For more information, write to the Chief, Population Division, U.S. Bureau of the Census, Washington, DC 20233.

Household Language—In households where one or more persons (age 5 years old or over) speak a language other than English, the household language assigned to all household members is the non-English language spoken by the first person with a non-English language in the following order: householder, spouse, parent, sibling, child, grandchild, other relative, stepchild, unmarried partner, housemate or roommate, roomer, boarder, or foster child, or other nonrelative. Thus, persons who speak only English may have a non-English household language assigned to them in tabulations of persons by household language.

Figure 1. **Four- and Twenty-Five-Group Classifications of 1990 Census Languages Spoken at Home With Illustrative Examples**

Four-Group Classification	Twenty-Five-Group Classification	Examples
Spanish Other Indo-European	Spanish	Spanish, Ladino
	French	French, Cajun, French Creole
	Italian	
	Portuguese	
	German	
	Yiddish	
	Other West Germanic	Afrikaans, Dutch, Pennsylvania Dutch
	Scandinavian	Danish, Norwegian, Swedish
	Polish	
	Russian	
Languages of Asia and the Pacific	South Slavic	Serbocroatian, Bulgarian, Macedonian, Slovene
	Other Slavic	Czech, Slovak, Ukrainian
	Greek	
	Indic	Hindi, Bengali, Gujarathi, Punjabi, Romany, Sinhalese
	Other Indo-European, not elsewhere classified	Armenian, Gaelic, Lithuanian, Persian
	Chinese	
	Japanese	
	Mon-Khmer	Cambodian
	Tagalog	
	Korean	
All other languages	Vietnamese	
	Other languages (part)	Chamorro, Dravidian Languages, Hawaiian, Ilocano, Thai, Turkish
	Arabic	
	Hungarian	
	Native North American languages	
	Other languages (part)	Amharic, Syriac, Finnish, Hebrew, Languages of Central and South America, Other Languages of Africa

Ability to Speak English

Persons 5 years old and over who reported that they spoke a language other than English in question 15a were also asked in question 15c to indicate their ability to speak English based on one of the following categories: "Very well," "Well," "Not well," or "Not at all."

The data on ability to speak English represent the person's own perception about his or her own ability or, because census questionnaires are usually completed by one household member, the responses may represent the perception of another household member. The instruction guides and questionnaires that were mailed to households did not include any information on how to interpret the response categories in question 15c.

Persons who reported that they spoke a language other than English at home but whose ability to speak English was not reported, were assigned the English-language ability of a randomly selected person of the same age, Spanish origin, nativity and year of entry, and language group.

Linguistic Isolation—A household in which no person age 14 years or over speaks only English and no person age 14 years or over who speaks a language other than English speaks English "Very well" is classified as "linguistically isolated." All the members of a linguistically isolated household are tabulated as linguistically isolated, including members under age 14 years who may speak only English.

Limitation of the Data—Persons who speak a language other than English at home may have first learned that language at school. However, these persons would be expected to indicate that they spoke English "Very well." Persons who speak a language other than English, but do not do so *at home*, should have been reported as not speaking a language other than English at home.

The extreme detail in which language names were coded may give a false impression of the linguistic precision of these data. The names used by speakers of a language to identify it may reflect ethnic, geographic, or political affiliations and do not necessarily respect linguistic distinctions. The categories shown in the tabulations were chosen on a number of criteria, such as information about the number of speakers of each language that might be expected in a sample of the United States population.

Comparability—Information on language has been collected in every census since 1890. The comparability of data among censuses is limited by changes in question wording, by the subpopulations to whom the question was addressed, and by the detail that was published.

The same question on language was asked in the 1980 and 1990 censuses. This question on the current language spoken at home replaced the questions asked in prior

censuses on mother tongue; that is, the language other than English spoken in the person's home when he or she was a child; one's first language; or the language spoken before immigrating to the United States. The censuses of 1910-1940, 1960 and 1970 included questions on mother tongue. A change in coding procedure from 1980 to 1990 should have improved accuracy of coding and may affect the number of persons reported in some of the 380 plus categories. It should not greatly affect the 4-group or 25-group lists. In 1980, coding clerks supplied numeric codes for the written entries on each questionnaire using a 2,000 name reference list. In 1990 written entries were transcribed to a computer file and matched to a computer dictionary which began with the 2,000 name list, but expanded as unmatched names were referred to headquarters specialists for resolution.

The question on ability to speak English was asked for the first time in 1980. In tabulations from 1980, the categories "Very well" and "Well" were combined. Data from other surveys suggested a major difference between the category "Very well" and the remaining categories. In tabulations showing ability to speak English, persons who reported that they spoke English "Very well" are presented separately from persons who reported their ability to speak English as less than "Very well."

MARITAL STATUS

The data on marital status were derived from answers to questionnaire item 6, which was asked of all persons. The marital status classification refers to the status at the time of enumeration. Data on marital status are tabulated only for persons 15 years old and over.

All persons were asked whether they were "now married," "widowed," "divorced," "separated," or "never married." Couples who live together (unmarried persons, persons in common-law marriages) were allowed to report the marital status they considered the most appropriate.

Never Married—Includes all persons who have never been married, including persons whose only marriage(s) was annulled.

Ever Married—Includes persons married at the time of enumeration (including those separated), widowed, or divorced.

Now Married, Except Separated—Includes persons whose current marriage has not ended through widowhood, divorce, or separation (regardless of previous marital history). The category may also include couples who live together or persons in common-law marriages if they consider this category the most appropriate. In certain tabulations, currently married persons are further classified as "spouse present" or "spouse absent."

Separated—Includes persons legally separated or otherwise absent from their spouse because of marital discord. Included are persons who have been deserted or who have parted because they no longer want to live together but who have not obtained a divorce.

Widowed—Includes widows and widowers who have not remarried.

Divorced—Includes persons who are legally divorced and who have not remarried.

In selected sample tabulations, data for married and separated persons are reorganized and combined with information on the presence of the spouse in the same household.

Now Married—All persons whose current marriage has not ended by widowhood or divorce. This category includes persons defined above as “separated.”

Spouse Present—Married persons whose wife or husband was enumerated as a member of the same household, including those whose spouse may have been temporarily absent for such reasons as travel or hospitalization.

Spouse Absent—Married persons whose wife or husband was not enumerated as a member of the same household. This category also includes all married persons living in group quarters.

Separated—Defined above.

Spouse Absent, Other—Married persons whose wife or husband was not enumerated as a member of the same household, excluding separated. Included is any person whose spouse was employed and living away from home or in an institution or absent in the Armed Forces.

Differences between the number of currently married males and the number of currently married females occur because of reporting differences and because some husbands and wives have their usual residence in different areas. In sample tabulations, these differences can also occur because different weights are applied to the individual's data. Any differences between the number of “now married, spouse present” males and females are due solely to sample weighting. By definition, the numbers would be the same.

When marital status was not reported, it was imputed according to the relationship to the householder and sex and age of the person. (For more information on imputation, see Appendix C, Accuracy of the Data.)

Comparability—The 1990 marital status definitions are the same as those used in 1980 with the exception of the term “never married” which replaces the term “single” in tabulations. A general marital status question has been asked in every census since 1880.

MOBILITY LIMITATION STATUS

The data on mobility limitation status were derived from answers to questionnaire item 19a, which was asked of a sample of persons 15 years old and over. Persons were

identified as having a mobility limitation if they had a health condition that had lasted for 6 or more months and which made it difficult to go outside the home alone. Examples of outside activities on the questionnaire included shopping and visiting the doctor's office.

The term “health condition” referred to both physical and mental conditions. A temporary health problem, such as a broken bone that was expected to heal normally, was not considered a health condition.

Comparability—This was the first time that a question on mobility limitation was included in the census.

PLACE OF BIRTH

The data on place of birth were derived from answers to questionnaire item 8, which was asked on a sample basis. The place-of-birth question asked respondents to report the U.S. State, commonwealth or territory, or the foreign country where they were born. Persons born outside the United States were asked to report their place of birth according to current international boundaries. Since numerous changes in boundaries of foreign countries have occurred in the last century, some persons may have reported their place of birth in terms of boundaries that existed at the time of their birth or emigration, or in accordance with their own national preference.

Persons not reporting place of birth were assigned the birthplace of another family member or were allocated the response of another person with similar characteristics. Persons allocated as foreign born were not assigned a specific country of birth but were classified as “Born abroad, country not specified.”

Nativity—Information on place of birth and citizenship were used to classify the population into two major categories: native and foreign born. When information on place of birth was not reported, nativity was assigned on the basis of answers to citizenship, if reported, and other characteristics.

Native—Includes persons born in the United States, Puerto Rico, or an outlying area of the United States. The small number of persons who were born in a foreign country but have at least one American parent also are included in this category.

The native population is classified in the following groups: persons born in the State in which they resided at the time of the census; persons born in a different State, by region; persons born in Puerto Rico or an outlying area of the U.S.; and persons born abroad with at least one American parent.

Foreign Born—Includes persons not classified as “Native.” Prior to the 1970 census, persons not reporting place of birth were generally classified as native.

The foreign-born population is shown by selected area, country, or region of birth; the places of birth shown in data products were selected based on the number of respondents who reported that area or country of birth.

Comparability—Data on the State of birth of the native population have been collected in each census beginning with that of 1850. Similar data were shown in tabulations for the 1980 census and other recent censuses. Nonresponse was allocated in a similar manner in 1980; however, prior to 1980, nonresponse to the place of birth question was not allocated. Prior to the 1970 census, persons not reporting place of birth were generally classified as native.

The questionnaire instruction to report mother's State of residence instead of the person's actual State of birth (if born in a hospital in a different State) was dropped in 1990. Evaluation studies of 1970 and 1980 census data demonstrated that this instruction was generally either ignored or misunderstood. Since the hospital and the mother's residence is in the same State for most births, this change may have a slight effect on State of birth data for States with large metropolitan areas that straddle State lines.

POVERTY STATUS IN 1989

The data on poverty status were derived from answers to the same questions as the income data, questionnaire items 32 and 33. (For more information, see the discussion under "Income in 1989.") Poverty statistics presented in census publications were based on a definition originated by the Social Security Administration in 1964 and subsequently modified by Federal interagency committees in 1969 and 1980 and prescribed by the Office of Management and Budget in Directive 14 as the standard to be used by Federal agencies for statistical purposes.

At the core of this definition was the 1961 economy food plan, the least costly of four nutritionally adequate food plans designed by the Department of Agriculture. It was determined from the Agriculture Department's 1955 survey of food consumption that families of three or more persons spend approximately one-third of their income on food; hence, the poverty level for these families was set at three times the cost of the economy food plan. For smaller families and persons living alone, the cost of the economy food plan was multiplied by factors that were slightly higher to compensate for the relatively larger fixed expenses for these smaller households.

The income cutoffs used by the Census Bureau to determine the poverty status of families and unrelated individuals included a set of 48 thresholds arranged in a two-dimensional matrix consisting of family size (from one person to nine or more persons) cross-classified by presence and number of family members under 18 years old (from no children present to eight or more children present). Unrelated individuals and two-person families were further differentiated by age of the householder (under 65 years old and 65 years old and over).

The total income of each family or unrelated individual in the sample was tested against the appropriate poverty threshold to determine the poverty status of that family or unrelated individual. If the total income was less than the corresponding cutoff, the family or unrelated individual was classified as "below the poverty level." The number of persons below the poverty level was the sum of the number of persons in families with incomes below the poverty level and the number of unrelated individuals with incomes below the poverty level.

The poverty thresholds are revised annually to allow for changes in the cost of living as reflected in the Consumer Price Index. The average poverty threshold for a family of four persons was \$12,674 in 1989. (For more information, see table A below.) Poverty thresholds were applied on a national basis and were not adjusted for regional, State or local variations in the cost of living. For a detailed discussion of the poverty definition, see U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 171, *Poverty in the United States: 1988 and 1989*.

Persons for Whom Poverty Status is Determined—

Poverty status was determined for all persons except institutionalized persons, persons in military group quarters and in college dormitories, and unrelated individuals under 15 years old. These groups also were excluded from the denominator when calculating poverty rates.

Specified Poverty Levels—Since the poverty levels currently in use by the Federal Government do not meet all the needs of data users, some of the data are presented for alternate levels. These specified poverty levels are obtained by multiplying the income cutoffs at the poverty level by the appropriate factor. For example, the average income cutoff at 125 percent of poverty level was \$15,843 ($\$12,674 \times 1.25$) in 1989 for a family of four persons.

Weighted Average Thresholds at the Poverty Level—

The average thresholds shown in the first column of table A are weighted by the presence and number of children. For example, the weighted average threshold for a given family size is obtained by multiplying the threshold for each presence and number of children category within the given family size by the number of families in that category. These products are then aggregated across the entire range of presence and number of children categories, and the aggregate is divided by the total number of families in the group to yield the weighted average threshold at the poverty level for that family size.

Since the basic thresholds used to determine the poverty status of families and unrelated individuals are applied to all families and unrelated individuals, the weighted average poverty thresholds are derived using all families and unrelated individuals rather than just those classified as being below the poverty level. To obtain the weighted poverty thresholds for families and unrelated individuals below alternate poverty levels, the weighted thresholds

shown in table A may be multiplied directly by the appropriate factor. The weighted average thresholds presented in the table are based on the March 1990 Current Population Survey. However, these thresholds would not differ significantly from those based on the 1990 census.

Income Deficit—Represents the difference between the total income of families and unrelated individuals below the poverty level and their respective poverty thresholds. In computing the income deficit, families reporting a net income loss are assigned zero dollars and for such cases the deficit is equal to the poverty threshold.

This measure provided an estimate of the amount which would be required to raise the incomes of all poor families and unrelated individuals to their respective poverty thresholds. The income deficit is thus a measure of the degree of impoverishment of a family or unrelated individual. However, caution must be used in comparing the average deficits of families with different characteristics. Apparent differences in average income deficits may, to some extent, be a function of differences in family size.

Mean Income Deficit—Represents the amount obtained by dividing the total income deficit of a group below the poverty level by the number of families (or unrelated individuals) in that group.

Comparability—The poverty definition used in the 1990 and 1980 censuses differed slightly from the one used in the 1970 census. Three technical modifications were made to the definition used in the 1970 census as described below:

1. The separate thresholds for families with a female householder with no husband present and all other families were eliminated. For the 1980 and 1990 censuses, the weighted average of the poverty thresholds for these two types of families was applied to all types of families, regardless of the sex of the householder.

2. Farm families and farm unrelated individuals no longer had a set of poverty thresholds that were lower than the thresholds applied to nonfarm families and unrelated individuals. The farm thresholds were 85 percent of the corresponding levels for nonfarm families in the 1970 census. The same thresholds were applied to all families and unrelated individuals regardless of residence in 1980 and 1990.
3. The thresholds by size of family were extended from seven or more persons in 1970 to nine or more persons in 1980 and 1990.

These changes resulted in a minimal increase in the number of poor at the national level. For a complete discussion of these modifications and their impact, see the Current Population Reports, Series P-60, No. 133.

The population covered in the poverty statistics derived from the 1980 and 1990 censuses was essentially the same as in the 1970 census. The only difference was that in 1980 and 1990, unrelated individuals under 15 years old were excluded from the poverty universe, while in 1970, only those under 14 years old were excluded. The poverty data from the 1960 census excluded all persons in group quarters and included all unrelated individuals regardless of age. It was unlikely that these differences in population coverage would have had significant impact when comparing the poverty data for persons since the 1960 censuses.

Current Population Survey—Because of differences in the questionnaires and data collection procedures, estimates of the number of persons below the poverty level by various characteristics from the 1990 census may differ from those reported in the March 1990 Current Population Survey.

RACE

The data on race were derived from answers to questionnaire item 4, which was asked of all persons. The concept of race as used by the Census Bureau reflects

Table A. Poverty Thresholds in 1989 by Size of Family and Number of Related Children Under 18 Years

Size of Family Unit	Weighted average thresholds	Related children under 18 years								
		None	One	Two	Three	Four	Five	Six	Seven	Eight or more
One person (unrelated individual).	\$6,310									
Under 65 years.....	6,451	\$6,451								
65 years and over.....	5,947	5,947								
Two persons.....	8,076									
Householder under 65 years...	8,343	8,303	\$8,547							
Householder 65 years and over.....	7,501	7,495	8,515							
Three persons.....	9,885	9,699	9,981	\$9,990						
Four persons.....	12,674	12,790	12,999	12,575	\$12,619					
Five persons.....	14,990	15,424	15,648	15,169	14,798	\$14,572				
Six persons.....	16,921	17,740	17,811	17,444	17,092	16,569	\$16,259			
Seven persons.....	19,162	20,412	20,540	20,101	19,794	19,224	18,558	\$17,828		
Eight persons.....	21,328	22,830	23,031	22,617	22,253	21,738	21,084	20,403	\$20,230	
Nine or more persons.....	25,480	27,463	27,596	27,229	26,921	26,415	25,719	25,089	24,933	\$23,973

self-identification; it does not denote any clear-cut scientific definition of biological stock. The data for race represent self-classification by people according to the race with which they most closely identify. Furthermore, it is recognized that the categories of the race item include both racial and national origin or socio-cultural groups.

During direct interviews conducted by enumerators, if a person could not provide a single response to the race question, he or she was asked to select, based on self-identification, the group which best described his or her racial identity. If a person could not provide a single race response, the race of the mother was used. If a single race response could not be provided for the person's mother, the first race reported by the person was used. In all cases where occupied housing units, households, or families are classified by race, the race of the householder was used.

The racial classification used by the Census Bureau generally adheres to the guidelines in Federal Statistical Directive No. 15, issued by the Office of Management and Budget, which provides standards on ethnic and racial categories for statistical reporting to be used by all Federal agencies. The racial categories used in the 1990 census data products are provided below.

White—Includes persons who indicated their race as "White" or reported entries such as Canadian, German, Italian, Lebanese, Near Easterner, Arab, or Polish.

Black—Includes persons who indicated their race as "Black or Negro" or reported entries such as African American, Afro-American, Black Puerto Rican, Jamaican, Nigerian, West Indian, or Haitian.

American Indian, Eskimo, or Aleut—Includes persons who classified themselves as such in one of the specific race categories identified below.

American Indian—Includes persons who indicated their race as "American Indian," entered the name of an Indian tribe, or reported such entries as Canadian Indian, French-American Indian, or Spanish-American Indian.

American Indian Tribe—Persons who identified themselves as American Indian were asked to report their enrolled or principal tribe. Therefore, tribal data in tabulations reflect the written tribal entries reported on the questionnaires. Some of the entries (for example, Iroquois, Sioux, Colorado River, and Flathead) represent nations or reservations.

The information on tribe is based on self-identification and therefore does not reflect any designation of Federally- or State-recognized tribe. Information on American Indian tribes is presented in summary tape files and special data products. The information is derived from the American Indian Detailed Tribal

Classification List for the 1990 census. The classification list represents all tribes, bands, and clans that had a specified number of American Indians reported on the census questionnaire.

Eskimo—Includes persons who indicated their race as "Eskimo" or reported entries such as Arctic Slope, Inupiat, and Yupik.

Aleut—Includes persons who indicated their race as "Aleut" or reported entries such as Alutiiq, Egegik, and Pribilovian.

Asian or Pacific Islander—Includes persons who reported in one of the Asian or Pacific Islander groups listed on the questionnaire or who provided write-in responses such as Thai, Nepali, or Tongan. A more detailed listing of the groups comprising the Asian or Pacific Islander population is presented in figure 2 below. In some data products, information is presented separately for the Asian population and the Pacific Islander population.

Asian—Includes "Chinese," "Filipino," "Japanese," "Asian Indian," "Korean," "Vietnamese," and "Other Asian." In some tables, "Other Asian" may not be shown separately, but is included in the total Asian population.

Chinese—Includes persons who indicated their race as "Chinese" or who identified themselves as Cantonese, Tibetan, or Chinese American. In standard census reports, persons who reported as "Taiwanese" or "Formosan" are included here with Chinese. In special reports on the Asian or Pacific Islander population, information on persons who identified themselves as Taiwanese are shown separately.

Filipino—Includes persons who indicated their race as "Filipino" or reported entries such as Philipino, Philippine, or Filipino American.

Japanese—Includes persons who indicated their race as "Japanese" and persons who identified themselves as Nipponese or Japanese American.

Asian Indian—Includes persons who indicated their race as "Asian Indian" and persons who identified themselves as Bengalese, Bharat, Dravidian, East Indian, or Goanese.

Korean—Includes persons who indicated their race as "Korean" and persons who identified themselves as Korean American.

Vietnamese—Includes persons who indicated their race as "Vietnamese" and persons who identified themselves as Vietnamese American.

Cambodian—Includes persons who provided a write-in response such as Cambodian or Cambodia.

Hmong—Includes persons who provided a write-in response such as Hmong, Laohmong, or Mong.

Laotian—Includes persons who provided a write-in response such as Laotian, Laos, or Lao.

Thai—Includes persons who provided a write-in response such as Thai, Thailand, or Siamese.

Other Asian—Includes persons who provided a write-in response of Bangladeshi, Burmese, Indonesian, Pakistani, Sri Lankan, Amerasian, or Eurasian. See figure 2 for other groups comprising "Other Asian."

Pacific Islander—Includes persons who indicated their race as "Pacific Islander" by classifying themselves into one of the following groups or identifying themselves as one of the Pacific Islander cultural groups of Polynesian, Micronesian, or Melanesian.

Hawaiian—Includes persons who indicated their race as "Hawaiian" as well as persons who identified themselves as Part Hawaiian or Native Hawaiian.

Samoa—Includes persons who indicated their race as "Samoa" or persons who identified themselves as American Samoa or Western Samoa.

Guamanian—Includes persons who indicated their race as "Guamanian" or persons who identified themselves as Chamorro or Guam.

Other Pacific Islander—Includes persons who provided a write-in response of a Pacific Islander group such as Tahitian, Northern Mariana Islander, Palauan, Fijian, or a cultural group such as Polynesian, Micronesian, or Melanesian. See figure 2 for other groups comprising "Other Pacific Islander."

Other Race—Includes all other persons not included in the "White," "Black," "American Indian, Eskimo, or Aleut," and the "Asian or Pacific Islander" race categories described above. Persons reporting in the "Other race" category and providing write-in entries such as multiracial, multiethnic, mixed, interracial, Wesort, or a Spanish/Hispanic origin group (such as Mexican, Cuban, or Puerto Rican) are included here.

Written entries to three categories on the race item—"Indian (Amer.)," "Other Asian or Pacific Islander (API)," and "Other race"—were reviewed, edited, and coded by subject matter specialists. (For more information on the coding operation, see the section below that discusses "Comparability.")

The written entries under "Indian (Amer.)," and "Other Asian or Pacific Islander (API)" were reviewed and coded during 100-percent processing of the 1990 census questionnaires. A substantial portion of the entries for the "Other race" category also were reviewed, edited, and coded during the 100-percent processing. The remaining entries under "Other race" underwent review and coding during sample processing. Most of the written entries reviewed and coded during sample processing were those indicating Hispanic origin such as Mexican, Cuban, or Puerto Rican.

If the race entry for a member of a household was missing on the questionnaire, race was assigned based upon the reported entries of race by other household members using specific rules of precedence of household relationship. For example, if race was missing for the daughter of the householder, then the race of her mother (as female householder or female spouse) would be assigned. If there was no female householder or spouse in the household, the daughter would be assigned her father's (male householder) race. If race was not reported for anyone in the household, the race of a householder in a previously processed household was assigned. This procedure is a variation of the general imputation procedures described in Appendix C, Accuracy of the Data.

Limitation of the Data—In the 1980 census, a relatively high proportion (20 percent) of American Indians did not report any tribal entry in the race item. Evaluation of the pre-census tests indicated that changes made for the 1990 race item should improve the reporting of tribes in the rural areas (especially on reservations) for the 1990 census. The results for urban areas were inconclusive. Also, the precensus tests indicated that there may be overreporting of the Cherokee tribe. An evaluation of 1980 census data showed overreporting of Cherokee in urban areas or areas where the number of American Indians was sparse.

In the 1990 census, respondents sometimes did not fill in a circle or filled the "Other race" circle and wrote in a response, such as Arab, Polish, or African American in the shared write-in box for "Other race" and "Other API" responses. During the automated coding process, these responses were edited and assigned to the appropriate racial designation. Also, some Hispanic origin persons did not fill in a circle, but provided entries such as Mexican or Puerto Rican. These persons were classified in the "Other race" category during the coding and editing process. There may be some minor differences between sample data and 100-percent data because sample processing included additional edits not included in the 100-percent processing.

Figure 2. Asian or Pacific Islander Groups Reported in the 1990 Census

Asian	Pacific Islander
Chinese	Hawaiian
Filipino	Samoa
Japanese	Guamanian
Asian Indian	Other Pacific Islander ¹
Korean	Carolinian
Vietnamese	Fijian
Cambodian	Kosraean
Hmong	Melanesian ³
Laotian	Micronesian ³
Thai	Northern Mariana Islander
Other Asian ¹	Palauan
Bangladeshi	Papua New Guinean
Bhutanese	Ponapean (Pohnpeian)
Borneo	Polynesian ³
Burmese	Solomon Islander
Celebesian	Tahitian
Ceram	Tarawa Islander
Indochinese	Tokelauan
Indonesian	Tongan
Iwo-Jiman	Trukese (Chuukese)
Javanese	Yapese
Malayan	Pacific Islander, not specified
Maldivian	
Nepali	
Okinawan	
Pakistani	
Sikkim	
Singaporean	
Sri Lankan	
Sumatran	
Asian, not specified ²	

¹In some data products, specific groups listed under "Other Asian" or "Other Pacific Islander" are shown separately. Groups not shown are tabulated as "All other Asian" or "All other Pacific Islander," respectively.

²Includes entries such as Asian American, Asian, Asiatic, Amerasian, and Eurasian.

³Polynesian, Micronesian, and Melanesian are Pacific Islander cultural groups.

Comparability—Differences between the 1990 census and earlier censuses affect the comparability of data for certain racial groups and American Indian tribes. The 1990 census was the first census to undertake, on a 100-percent basis, an automated review, edit, and coding operation for written responses to the race item. The automated coding system used in the 1990 census greatly reduced the potential for error associated with a clerical review. Specialists with a thorough knowledge of the race subject matter reviewed, edited, coded, and resolved inconsistent or incomplete responses. In the 1980 census, there was only a limited clerical review of the race responses on the 100-percent forms with a full clerical review conducted only on the sample questionnaires.

Another major difference between the 1990 and preceding censuses is the handling of the write-in responses for the Asian or Pacific Islander populations. In addition to the nine Asian or Pacific Islander categories shown on the questionnaire under the spanner "Asian or Pacific Islander (API)," the 1990 census race item provided a new residual category, "Other API," for Asian or Pacific Islander persons who did not report in one of the listed Asian or Pacific

Islander groups. During the coding operation, write-in responses for "Other API" were reviewed, coded, and assigned to the appropriate classification. For example, in 1990, a write-in entry of Laotian, Thai, or Javanese is classified as "Other Asian," while a write-in entry of Tongan or Fijian is classified as "Other Pacific Islander." In the 1990 census, these persons were able to identify as "Other API" in both the 100-percent and sample operations.

In the 1980 census, the nine Asian or Pacific Islander groups were also listed separately. However, persons not belonging to these nine groups wrote in their specific racial group under the "Other" race category. Persons with a written entry such as Laotian, Thai, or Tongan, were tabulated and published as "Other race" in the 100-percent processing operation in 1980, but were reclassified as "Other Asian and Pacific Islander" in 1980 sample tabulations. In 1980 special reports on the Asian or Pacific Islander populations, data were shown separately for "Other Asian" and "Other Pacific Islander."

The 1970 questionnaire did not have separate race categories for Asian Indian, Vietnamese, Samoan, and Guamanian. These persons indicated their race in the "Other" category and later, through the editing process, were assigned to a specific group. For example, in 1970, Asian Indians were reclassified as "White," while Vietnamese, Guamanians, and Samoans were included in the "Other" category.

Another difference between 1990 and preceding censuses is the approach taken when persons of Spanish/Hispanic origin did not report in a specific race category but reported as "Other race" or "Other." These persons commonly provided a write-in entry such as Mexican, Venezuelan, or Latino. In the 1990 and 1980 censuses, these entries remained in the "Other race" or "Other" category, respectively. In the 1970 census, most of these persons were included in the "White" category.

REFERENCE WEEK

The data on labor force status and journey to work were related to the reference week; that is, the calendar week preceding the date on which the respondents completed their questionnaires or were interviewed by enumerators. This week is not the same for all respondents since the enumeration was not completed in one week. The occurrence of holidays during the enumeration period could affect the data on actual hours worked during the reference week, but probably had no effect on overall measurement of employment status (see the discussion below on "Comparability").

Comparability—The reference weeks for the 1990 and 1980 censuses differ in that Passover and Good Friday occurred in the first week of April 1980, but in the second week of April 1990. Many workers presumably took time off for those observances. The differing occurrence of

these holidays could affect the comparability of the 1990 and 1980 data on actual hours worked for some areas if the respective weeks were the reference weeks for a significant number of persons. The holidays probably did not affect the overall measurement of employment status since this information was based on work activity during the entire reference week.

RESIDENCE IN 1985

The data on residence in 1985 were derived from answers to questionnaire item 14b, which asked for the State (or foreign country), county, and place of residence on April 1, 1985, for those persons reporting in question 14a that on that date they lived in a different house than their current residence. Residence in 1985 is used in conjunction with location of current residence to determine the extent of residential mobility of the population and the resulting redistribution of the population across the various States, metropolitan areas, and regions of the country.

When no information on residence in 1985 was reported for a person, information for other family members, if available, was used to assign a location of residence in 1985. All cases of nonresponse or incomplete response that were not assigned a previous residence based on information from other family members were allocated the previous residence of another person with similar characteristics who provided complete information.

The tabulation category, "Same house," includes all persons 5 years old and over who did not move during the 5 years as well as those who had moved but by 1990 had returned to their 1985 residence. The category, "Different house in the United States," includes persons who lived in the United States in 1985 but in a different house or apartment from the one they occupied on April 1, 1990. These movers are then further subdivided according to the type of move.

In most tabulations, movers are divided into three groups according to their 1985 residence: "Different house, same county," "Different county, same State," and "Different State." The last group may be further subdivided into region of residence in 1985. The category, "Abroad," includes those persons who were residing in a foreign country, Puerto Rico, or an outlying area of the U.S. in 1985, including members of the Armed Forces and their dependents. Some tabulations show movers who were residing in Puerto Rico or an outlying area in 1985 separately from those residing in other countries.

In tabulations for metropolitan areas, movers are categorized according to the metropolitan status of their current and previous residences, resulting in such groups as movers within an MSA/PMSA, movers between MSA/PMSA's, movers from nonmetropolitan areas to MSA/PMSA, and movers from central cities to the remainder of an MSA/PMSA. In some tabulations, these categories are further subdivided by size of MSA/PMSA, region of current or previous residence, or movers within or between central cities and the remainder of the same or a different MSA/PMSA.

The size categories used in some tabulations for both 1985 and 1990 residence refer to the populations of the MSA/PMSA on April 1, 1990; that is, at the end of the migration interval.

Some tabulations present data on immigrants, outmigrants, and net migration. "Immigrants" are generally defined as those persons who entered a specified area by crossing its boundary from some point outside the area. In some tabulations, movers from abroad are included in the number of immigrants; in others, only movers within the United States are included.

"Outmigrants" are persons who depart from a specific area by crossing its boundary to a point outside it, but without leaving the United States. "Net migration" is calculated by subtracting the number of outmigrants from the number of immigrants and, depending upon the particular tabulation, may or may not include movers from abroad. The net migration for the area is net immigration if the result was positive and net outmigration if the result was negative. In the tabulations, net outmigration is indicated by a minus sign (-).

Immigrants and outmigrants for States include only those persons who did not live in the same State in 1985 and 1990; that is, they exclude persons who moved between counties within the same State. Thus, the sum of the immigrants to (or outmigrants from) all counties in any State is greater than the number of immigrants to (or outmigrants from) that State. However, in the case of net migration, the sum of the nets for all the counties within a State equal the net for the State. In the same fashion, the net migration for a division or region equals the sum of the nets for the States comprising that division or region, while the number of immigrants and outmigrants for that division or region is less than the sum of the immigrants or outmigrants for the individual States.

The number of persons who were living in a different house in 1985 is somewhat less than the total number of moves during the 5-year period. Some persons in the same house at the two dates had moved during the 5-year period but by the time of the census had returned to their 1985 residence. Other persons who were living in a different house had made one or more intermediate moves. For similar reasons, the number of persons living in a different county, MSA/PMSA, or State or moving between nonmetropolitan areas may be understated.

Comparability—Similar questions were asked on all previous censuses beginning in 1940, except the questions in 1950 referred to residence 1 year earlier rather than 5 years earlier. Although the questions in the 1940 census covered a 5-year period, comparability with that census was reduced somewhat because of different definitions and categories of tabulation. Comparability with the 1960 and 1970 census is also somewhat reduced because nonresponse was not allocated in those earlier censuses. For the 1980 census, nonresponse was allocated in a manner similar to the 1990 allocation scheme.

SCHOOL ENROLLMENT AND LABOR FORCE STATUS

Tabulation of data on enrollment, educational attainment, and labor force status for the population 16 to 19 years old allows for calculation of the proportion of the age group who are not enrolled in school and not high school graduates or "dropouts" and an unemployment rate for the "dropout" population. Definitions of the three topics and descriptions of the census items from which they were derived are presented in "Educational Attainment," "Employment Status," and "School Enrollment and Type of School." The published tabulations include both the civilian and Armed Forces populations, but labor force status is provided for the civilian population only. Therefore, the component labor force statuses may not add to the total lines *enrolled in school, high school graduate, and not high school graduate*. The difference is Armed Forces.

Comparability—The tabulation of school enrollment by labor force status is similar to that published in 1980 census reports. The 1980 census tabulation included a single data line for Armed Forces; however, enrollment, attainment, and labor force status data were shown for the civilian population only. In 1970, a tabulation was included for 16 to 21 year old males not attending school.

SCHOOL ENROLLMENT AND TYPE OF SCHOOL

Data on school enrollment were derived from answers to questionnaire item 11, which was asked of a sample of persons. Persons were classified as enrolled in school if they reported attending a "regular" public or private school or college at any time between February 1, 1990, and the time of enumeration. The question included instructions to "include only nursery school, kindergarten, elementary school, and schooling which would lead to a high school diploma or a college degree" as regular school. Instructions included in the 1990 respondent instruction guide, which was mailed with the census questionnaire, further specified that enrollment in a trade or business school, company training, or tutoring were not to be included unless the course would be accepted for credit at a regular elementary school, high school, or college. Persons who did not answer the enrollment question were assigned the enrollment status and type of school of a person with the same age, race or Hispanic origin, and, at older ages, sex, whose residence was in the same or a nearby area.

Public and Private School—Includes persons who attended school in the reference period and indicated they were enrolled by marking one of the questionnaire categories for either "public school, public college" or "private school, private college." The instruction guide defines a public school as "any school or college controlled and supported by a local, county, State, or Federal Government." Schools supported and controlled primarily by religious organizations or other private groups are defined as private. Persons who filled both the "public" and "private" circles are edited to the first entry, "public."

Level of School in Which Enrolled—Persons who were enrolled in school were classified as enrolled in "preprimary school," "elementary or high school," or "college" according to their response to question 12 (years of school completed or highest degree received). Persons who were enrolled and reported completing nursery school or less were classified as enrolled in "preprimary school," which includes kindergarten. Similarly, enrolled persons who had completed at least kindergarten, but not high school, were classified as enrolled in elementary or high school. Enrolled persons who reported completing high school or some college or having received a post-secondary degree were classified as enrolled in "college." Enrolled persons who reported completing the twelfth grade but receiving "NO DIPLOMA" were classified as enrolled in high school. (For more information on level of school, see the discussion under "Educational Attainment.")

Comparability—School enrollment questions have been included in the census since 1840; grade attended was first asked in 1940; type of school was first asked in 1960. Before 1940, the enrollment question in various censuses referred to attendance in the preceding six months or the preceding year. In 1940, the reference was to attendance in the month preceding the census, and in the 1950 and subsequent censuses, the question referred to attendance in the two months preceding the census date.

Until the 1910 census, there were no instructions limiting the kinds of schools in which enrollment was to be counted. Starting in 1910, the instructions indicated that attendance at "school, college, or any educational institution" was to be counted. In 1930 an instruction to include "night school" was added. In the 1940 instructions, night school, extension school, or vocational school were included only if the school was part of the regular school system. Correspondence school work of any kind was excluded. In the 1950 instructions, the term "regular school" was introduced, and it was defined as schooling which "advances a person towards an elementary or high school diploma or a college, university, or professional school degree." Vocational, trade, or business schools were excluded unless they were graded and considered part of a regular school system. On-the-job training was excluded, as was nursery school. Instruction by correspondence was excluded unless it was given by a regular school and counted towards promotion.

In 1960, the question used the term "regular school or college" and a similar, though expanded, definition of "regular" was included in the instructions, which continued to exclude nursery school. Because of the census' use of mailed questionnaires, the 1960 census was the first in which instructions were written for the respondent as well as enumerators. In the 1970 census, the questionnaire used the phrase "regular school or college" and included instructions to "count nursery school, kindergarten, and schooling which leads to an elementary school certificate, high school diploma, or college degree." Instructions in a separate document specified that to be counted as regular

school, nursery school must include instruction as an important and integral phase of its program, and continued the exclusion of vocational, trade, and business schools. The 1980 census question was very similar to the 1970 question, but the separate instruction booklet did not require that nursery school include substantial instructional content in order to be counted.

The age range for which enrollment data have been obtained and published has varied over the censuses. Information on enrollment was recorded for persons of all ages in the 1930 and 1940 and 1970 through 1990; for persons under age 30, in 1950; and for persons age 5 to 34, in 1960. Most of the published enrollment figures referred to persons age 5 to 20 in the 1930 census, 5 to 24 in 1940, 5 to 29 in 1950, 5 to 34 in 1960, 3 to 34 in 1970, and 3 years old and over in 1980. This growth in the age group whose enrollment was reported reflects increased interest in the number of children in preprimary schools and in the number of older persons attending colleges and universities.

In the 1950 and subsequent censuses, college students were enumerated where they lived while attending college, whereas in earlier censuses, they generally were enumerated at their parental homes. This change should not affect the comparability of national figures on college enrollment since 1940; however, it may affect the comparability over time of enrollment figures at sub-national levels.

Type of school was first introduced in the 1960 census, where a separate question asked the enrolled persons whether they were in a "public" or "private" school. Since the 1970 census, the type of school was incorporated into the response categories for the enrollment question and the terms were changed to "public," "parochial," and "other private." In the 1980 census, "private, church related" and "private, not church related" replaced "parochial" and "other private."

Grade of enrollment was first available in the 1940 census, where it was obtained from responses to the question on highest grade of school completed. Enumerators were instructed that "for a person still in school, the last grade completed will be the grade preceding the one in which he or she was now enrolled." From 1950 to 1980, grade of enrollment was obtained from the highest grade attended in the two-part question used to measure educational attainment. (For more information, see the discussion under "Educational Attainment.") The form of the question from which level of enrollment was derived in the 1990 census most closely corresponds to the question used in 1940. While data from prior censuses can be aggregated to provide levels of enrollment comparable to the 1990 census, 1990 data cannot be disaggregated to show single grade of enrollment as in previous censuses.

Data on school enrollment were also collected and published by other Federal, State, and local government agencies. Where these data were obtained from administrative records of school systems and institutions of higher learning, they were only roughly comparable with data from population censuses and household surveys because of

differences in definitions and concepts, subject matter covered, time references, and enumeration methods. At the local level, the difference between the location of the institution and the residence of the student may affect the comparability of census and administrative data. Differences between the boundaries of school districts and census geographic units also may affect these comparisons.

SELF-CARE LIMITATION STATUS

The data on self-care limitation status were derived from answers to questionnaire item 19b, which was asked of a sample of persons 15 years old and over. Persons were identified as having a self-care limitation if they had a health condition that had lasted for 6 or more months and which made it difficult to take care of their own personal needs, such as dressing, bathing, or getting around inside the home.

The term "health condition" referred to both physical and mental conditions. A temporary health problem, such as a broken bone that was expected to heal normally was not considered a health condition.

Comparability—This was the first time that a question on self-care limitation was included in the census.

SEX

The data on sex were derived from answers to questionnaire item 3, which was asked of all persons. For most cases in which sex was not reported, it was determined by the appropriate entry from the person's given name and household relationship. Otherwise, sex was imputed according to the relationship to the householder and the age and marital status of the person. For more information on imputation, see Appendix C, Accuracy of the Data.

Sex Ratio—A measure derived by dividing the total number of males by the total number of females and multiplying by 100.

Comparability—A question on the sex of individuals has been asked of the total population in every census.

VETERAN STATUS

Data on veteran status, period of military service, and years of military service were derived from answers to questionnaire item 17, which was asked of a sample of persons.

Veteran Status—The data on veteran status were derived from responses to question 17a. For census data products, a "civilian veteran" is a person 16 years old or over who had served (even for a short time) but is not now

serving on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or the Coast Guard, or who served as a Merchant Marine seaman during World War II. Persons who served in the National Guard or military Reserves are classified as veterans only if they were ever called or ordered to active duty not counting the 4-6 months for initial training or yearly summer camps. All other civilians 16 years old and over are classified as nonveterans.

Period of Military Service—Persons who indicated in question 17a that they had served on active duty (civilian veterans) or were now on active duty were asked to indicate in question 17b the period or periods in which they served. Persons serving in at least one wartime period are classified in their most recent wartime period. For example, persons who served both during the Korean conflict and the post-Korean peacetime era between February 1955 and July 1964 are classified in one of the two "Korean conflict" categories. If the same person had also served during the Vietnam era, he or she would instead be included in the "Vietnam era and Korean conflict" category. The responses were edited to eliminate inconsistencies between reported period(s) of service and the age of the person and to cancel out reported combinations of periods containing unreasonable gaps (for example, a person could not serve during World War I and the Korean conflict without serving during World War II). Note that the period of service categories shown in this report are mutually exclusive.

Years of Military Service—Persons who indicated in question 17a that they had served on active duty (civilian veterans) or were now on active duty were asked to report the total number of years of active-duty service in question 17c. The data were edited for consistency with responses to question 17b (Period of Military Service) and with the age of the person.

Limitation of the Data—There may be a tendency for the following kinds of persons to report erroneously that they served on active duty in the Armed Forces: (a) persons who served in the National Guard or military Reserves but were never called to active duty; (b) civilian employees or volunteers for the USO, Red Cross, or the Department of Defense (or its predecessor Departments, War and Navy); and (c) employees of the Merchant Marine or Public Health Service. There may also be a tendency for persons to erroneously round up months to the nearest year in question 17c (for example, persons with 1 year 8 months of active duty military service may mistakenly report "2 years").

Comparability—Since census data on veterans were based on self-reported responses, they may differ from data from other sources such as administrative records of the Department of Defense. Census data may also differ from Veterans Administration data on the benefits-eligible population, since factors determining eligibility for veterans benefits differ from the rules for classifying veterans in the census.

The wording of the question on veteran status (17a) for 1990 was expanded from the veteran/not veteran question in 1980 to include questions on current active duty status and service in the military Reserves and the National Guard. The expansion was intended to clarify the appropriate response for persons in the Armed Forces and for persons who served in the National Guard or military Reserve units only. For the first time in a census, service during World War II as a Merchant Marine Seaman was considered active-duty military service and persons with such service were counted as veterans. An additional period of military service, "September 1980 or later" was added in 1990. As in 1970 and 1980, persons reporting more than one period of service are shown in the most recent wartime period of service category. Question 17c (Years of Military Service) was new for 1990.

WORK DISABILITY STATUS

The data on work disability were derived from answers to questionnaire item 18, which was asked of a sample of persons 15 years old and over. Persons were identified as having a work disability if they had a health condition that had lasted for 6 or more months and which limited the kind or amount of work they could do at a job or business. A person was limited in the kind of work he or she could do if the person had a health condition which restricted his or her choice of jobs. A person was limited in the amount of work if he or she was not able to work full-time. Persons with a work disability were further classified as "Prevented from working" or "Not prevented from working."

The term "health condition" referred to both physical and mental conditions. A temporary health problem, such as a broken bone that was expected to heal normally, was not considered a health condition.

Comparability—The wording of the question on work disability was the same in 1990 as in 1980. Information on work disability was first collected in 1970. In that census, the work disability question did not contain a clause restricting the definition of disability to limitations caused by a health condition that had lasted 6 or more months; however, it did contain a separate question about the duration of the disability.

WORK STATUS IN 1989

The data on work status in 1989 were derived from answers to questionnaire item 31, which was asked of a sample of persons. Persons 16 years old and over who worked 1 or more weeks according to the criteria described below are classified as "Worked in 1989." All other persons 16 years old and over are classified as "Did not work in 1989." Some tabulations showing work status in 1989 include 15 year olds; these persons, by definition, are classified as "Did not work in 1989."

Weeks Worked in 1989

The data on weeks worked in 1989 were derived from responses to questionnaire item 31b. Question 31b (Weeks Worked in 1989) was asked of persons 16 years old and over who indicated in question 31a that they worked in 1989.

The data pertain to the number of weeks during 1989 in which a person did any work for pay or profit (including paid vacation and paid sick leave) or worked without pay on a family farm or in a family business. Weeks of active service in the Armed Forces are also included.

Usual Hours Worked Per Week Worked in 1989

The data on usual hours worked per week worked in 1989 were derived from answers to questionnaire item 31c. This question was asked of persons 16 years old and over who indicated that they worked in 1989.

The data pertain to the number of hours a person usually worked during the weeks worked in 1989. The respondent was to report the number of hours worked per week in the majority of the weeks he or she worked in 1989. If the hours worked per week varied considerably during 1989, the respondent was to report an approximate average of the hours worked per week. The statistics on usual hours worked per week in 1989 are not necessarily related to the data on actual hours worked during the census reference week (question 21b).

Persons 16 years old and over who reported that they usually worked 35 or more hours each week during the weeks they worked are classified as "Usually worked full time;" persons who reported that they usually worked 1 to 34 hours are classified as "Usually worked part time."

Year-Round Full-Time Workers—All persons 16 years old and over who usually worked 35 hours or more per week for 50 to 52 weeks in 1989.

Number of Workers in Family in 1989—The term "worker" as used for these data is defined based on the criteria for Work Status in 1989.

Limitation of the Data—It is probable that the number of persons who worked in 1989 and the number of weeks worked are understated since there was some tendency for respondents to forget intermittent or short periods of employment or to exclude weeks worked without pay. There may also be a tendency for persons not to include weeks of paid vacation among their weeks worked; one result may be that the census figures may understate the number of persons who worked "50 to 52 weeks."

Comparability—The data on weeks worked collected in the 1990 census were comparable with data from the 1980, 1970, and 1960 censuses, but may not be entirely comparable with data from the 1940 and 1950 censuses. Since the 1960 census, two separate questions have been

used to obtain this information. The first identified persons with any work experience during the year and, thus, indicated those persons for whom the questions on number of weeks worked applied. In 1940 and 1950, however, the questionnaires contained only a single question on number of weeks worked.

In 1970, persons responded to the question on weeks worked by indicating one of six weeks-worked intervals. In 1980 and 1990, persons were asked to enter the specific number of weeks they worked.

YEAR OF ENTRY

The data on year of entry were derived from answers to questionnaire item 10, which was asked of a sample of persons. The question, "When did this person come to the United States to stay?" was asked of persons who indicated in the question on citizenship that they were not born in the United States. (For more information, see the discussion under "Citizenship.")

The 1990 census questions, tabulations, and census data products about citizenship and year of entry include no reference to immigration. All persons who were born and resided outside the United States before becoming residents of the United States have a date of entry. Some of these persons are U.S. citizens by birth (e.g., persons born in Puerto Rico or born abroad of American parents). To avoid any possible confusion concerning the date of entry of persons who are U.S. citizens by birth, the term, "year of entry" is used in this report instead of the term "year of immigration."

Limitation of the Data—The census questions on nativity, citizenship, and year of entry were not designed to measure the degree of permanence of residence in the United States. The phrase, "to stay" was used to obtain the year in which the person became a resident of the United States. Although the respondent was directed to indicate the year he or she entered the country "to stay," it was difficult to ensure that respondents interpreted the phrase correctly.

Comparability—A question on year of entry, (alternately called "year of immigration") was asked in each decennial census from 1890 to 1930, 1970, and 1980. In 1980, the question on year of entry included six arrival time intervals. The number of arrival intervals was expanded to ten in 1990. In 1980, the question on year of entry was asked only of the foreign-born population. In 1990, all persons who responded to the long-form questionnaire and were not born in the United States were to complete the question on year of entry.

HOUSING CHARACTERISTICS

LIVING QUARTERS

Living quarters are classified as either housing units or group quarters. (For more information, see the discussion of "Group Quarters" under Population Characteristics.)

Usually, living quarters are in structures intended for residential use (for example, a one-family home, apartment house, hotel or motel, boarding house, or mobile home). Living quarters also may be in structures intended for nonresidential use (for example, the rooms in a warehouse where a guard lives), as well as in places such as tents, vans, shelters for the homeless, dormitories, barracks, and old railroad cars.

Housing Units—A housing unit is a house, an apartment, a mobile home or trailer, a group of rooms or a single room occupied as separate living quarters or, if vacant, intended for occupancy as separate living quarters. Separate living quarters are those in which the occupants live and eat separately from any other persons in the building and which have direct access from outside the building or through a common hall.

The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements. For vacant units, the criteria of separateness and direct access are applied to the intended occupants whenever possible. If that information cannot be obtained, the criteria are applied to the previous occupants.

Both occupied and vacant housing units are included in the housing unit inventory, except that recreational vehicles, boats, vans, tents, railroad cars, and the like are included only if they are occupied as someone's usual place of residence. Vacant mobile homes are included provided they are intended for occupancy on the site where they stand. Vacant mobile homes on dealers' sales lots, at the factory, or in storage yards are excluded from the housing inventory.

If the living quarters contains nine or more persons unrelated to the householder or person in charge (a total of at least 10 unrelated persons), it is classified as group quarters. If the living quarters contains eight or fewer persons unrelated to the householder or person in charge, it is classified as a housing unit.

Occupied Housing Units—A housing unit is classified as occupied if it is the usual place of residence of the person or group of persons living in it at the time of enumeration, or if the occupants are only temporarily absent; that is, away on vacation or business. If all the persons staying in the unit at the time of the census have their usual place of residence elsewhere, the unit is classified as vacant. A household includes all the persons who occupy a housing unit as their usual place of residence. By definition, the count of occupied housing units for 100-percent tabulations is the same as the count of households or householders. In sample tabulations, the counts of household and occupied housing units may vary slightly because of different sample weighting methods.

Vacant Housing Units—A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. Units temporarily occupied at the time of enumeration entirely by persons who have a usual residence elsewhere also are classified as vacant. (For more information, see discussion under "Usual Home Elsewhere.")

New units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if they are open to the elements; that is, the roof, walls, windows, and/or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is condemned or is to be demolished. Also excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for the storage of business supplies or inventory, machinery, or agricultural products.

Hotels, Motels, Rooming Houses, Etc.—Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; that is, persons who consider the hotel as their usual place of residence or have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels, motels, and similar places in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from others in the building and have direct access, their quarters are classified as separate housing units.

Staff Living Quarters—The living quarters occupied by staff personnel within any group quarters are separate housing units if they satisfy the housing unit criteria of separateness and direct access; otherwise, they are considered group quarters.

Comparability—The first Census of Housing in 1940 established the "dwelling unit" concept. Although the term became "housing unit" and the definition has been modified slightly in succeeding censuses, the 1990 definition is essentially comparable to previous censuses. There was no change in the housing unit definition between 1980 and 1990.

ACREAGE

The data on acreage were obtained from questionnaire items H5a and H19a. Question H5a was asked at all occupied and vacant one-family houses and mobile homes. Question H19a was asked on a sample basis at occupied and vacant one-family houses and mobile homes.

Question H5a asks whether the house or mobile home is located on a place of 10 or more acres. The intent of this

item is to exclude owner-occupied and renter-occupied one-family houses on 10 or more acres from the specified owner- and renter-occupied universes for value and rent tabulations.

Question H19a provides data on whether the unit is located on less than 1 acre. The main purpose of this item, in conjunction with question H19b on agricultural sales, is to identify farm units. (For more information, see discussion under "Farm Residence.")

For both items, the land may consist of more than one tract or plot. These tracts or plots are usually adjoining; however, they may be separated by a road, creek, another piece of land, etc.

Comparability—Question H5a is similar to that asked in 1970 and 1980. This item was asked for the first time of mobile home occupants in 1990. Question H19a is an abbreviated form of a question asked on a sample basis in 1980. In previous censuses, information on city or suburban lot and number of acres was obtained also.

AGRICULTURAL SALES

Data on the sales of agricultural crops were obtained from questionnaire item H19b, which was asked on a sample basis at occupied one-family houses and mobile homes located on lots of 1 acre or more. Data for this item exclude units on lots of less than 1 acre, units located in structures containing 2 or more units, and all vacant units. This item refers to the total amount (before taxes and expenses) received in 1989 from the sale of crops, vegetables, fruits, nuts, livestock and livestock products, and nursery and forest products, produced on "this property." Respondents new to a unit were asked to estimate total agricultural sales in 1989 even if some portion of the sales had been made by other occupants of the unit.

This item is used mainly to classify housing units as farm or nonfarm residences, not to provide detailed information on the sale of agricultural products. Detailed information on the sale of agricultural products is provided by the Census Bureau's Census of Agriculture (*Factfinder for the Nation: Agricultural Statistics*, Bureau of the Census, 1989). (For more information, see the discussion under "Farm Residence.")

BEDROOMS

The data on bedrooms were obtained from questionnaire item H9, which was asked at both occupied and vacant housing units. This item was asked on a sample basis. The number of bedrooms is the count of rooms designed to be used as bedrooms; that is, the number of rooms that would be listed as bedrooms if the house or apartment were on the market for sale or for rent. Included are all rooms intended to be used as bedrooms even if

they currently are being used for some other purpose. A housing unit consisting of only one room, such as a one-room efficiency apartment, is classified, by definition, as having no bedroom.

Comparability—Data on bedrooms have been collected in every census since 1960. In 1970 and 1980, data for bedrooms were shown only for year-round units. In past censuses, a room was defined as a bedroom if it was used mainly for sleeping even if also used for other purposes. Rooms that were designed to be used as bedrooms but used mainly for other purposes were not considered to be bedrooms. A distribution of housing units by number of bedrooms calculated from data collected in a 1986 test showed virtually no differences in the two versions except in the two bedroom category, where the previous "use" definition showed a slightly lower proportion of units.

BOARDED-UP STATUS

Boarded-up status was obtained from questionnaire item C2 and was determined for all vacant units. Boarded-up units have windows and doors covered by wood, metal, or masonry to protect the interior and to prevent entry into the building. A single-unit structure, a unit in a multi-unit structure, or an entire multi-unit structure may be boarded-up in this way. For certain census data products, boarded-up units are shown only for units in the "Other vacant" category. A unit classified as "Usual home elsewhere" can never be boarded up. (For more information, see the discussion under "Usual Home Elsewhere.")

Comparability—This item was first asked in the 1980 census and was shown only for year-round vacant housing units. In 1990, data are shown for all vacant housing units.

BUSINESS ON PROPERTY

The data for business on property were obtained from questionnaire item H5b, which was asked at all occupied and vacant one-family houses and mobile homes. This question is used to exclude owner-occupied one-family houses with business or medical offices on the property from certain statistics on financial characteristics.

A business must be easily recognizable from the outside. It usually will have a separate outside entrance and have the appearance of a business, such as a grocery store, restaurant, or barber shop. It may be either attached to the house or mobile home or be located elsewhere on the property. Those housing units in which a room is used for business or professional purposes and have no recognizable alterations to the outside are *not* considered as having a business. Medical offices are considered businesses for tabulation purposes.

Comparability—Data on business on property have been collected since 1940.

CONDOMINIUM FEE

The data on condominium fee were obtained from questionnaire item H25, which was asked at owner-occupied condominiums. This item was asked on a sample basis. A condominium fee normally is charged monthly to the owners of the individual condominium units by the condominium owners association to cover operating, maintenance, administrative, and improvement costs of the common property (grounds, halls, lobby, parking areas, laundry rooms, swimming pool, etc.) The costs for utilities and/or fuels may be included in the condominium fee if the units do not have separate meters.

Data on condominium fees may include real estate tax and/or insurance payments for the common property, but do not include real estate taxes or fire, hazard, and flood insurance for the individual unit already reported in questions H21 and H22.

Amounts reported were the regular monthly payment, even if paid by someone outside the household or remain unpaid. Costs were estimated as closely as possible when exact costs were not known.

The data from this item were added to payments for mortgages (both first and junior mortgages and home equity loans); real estate taxes; fire, hazard, and flood insurance payments; and utilities and fuels to derive "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989" for condominium owners.

Comparability—This is a new item in 1990.

CONDOMINIUM STATUS

The data on condominium housing units were obtained from questionnaire item H18, which was asked on a sample basis at both occupied and vacant housing units. Condominium is a type of ownership that enables a person to own an apartment or house in a development of similarly owned units and to hold a common or joint ownership in some or all of the common areas and facilities such as land, roof, hallways, entrances, elevators, swimming pool, etc. Condominiums may be single-family houses as well as units in apartment buildings. A condominium unit need not be occupied by the owner to be counted as such. A unit classified as "mobile home or trailer" or "other" (see discussion under "Units in Structure") cannot be a condominium unit.

Limitation of the Data—Testing done prior to the 1980 and 1990 censuses indicated that the number of condominiums may be slightly overstated.

Comparability—In 1970, condominiums were grouped together with cooperative housing units, and the data were reported only for owner-occupied cooperatives and condominiums. Beginning in 1980, the census identified all

condominium units and the data were shown for renter-occupied and vacant year-round condominiums as well as owner occupied. In 1970 and 1980, the question on condominiums was asked on a 100-percent basis. In 1990, it was asked on a sample basis.

CONTRACT RENT

The data on contract rent (also referred to as "rent asked" for vacant units) were obtained from questionnaire item H7a, which was asked at all occupied housing units that were rented for cash rent and all vacant housing units that were for rent at the time of enumeration.

Housing units that are renter occupied without payment of cash rent are shown separately as "No cash rent" in census data products. The unit may be owned by friends or relatives who live elsewhere and who allow occupancy without charge. Rent-free houses or apartments may be provided to compensate caretakers, ministers, tenant farmers, sharecroppers, or others.

Contract rent is the monthly rent agreed to or contracted for, regardless of any furnishings, utilities, fees, meals, or services that may be included. For vacant units, it is the monthly rent asked for the rental unit at the time of enumeration.

If the contract rent includes rent for a business unit or for living quarters occupied by another household, the respondent was instructed to report that part of the rent estimated to be for his or her unit only. Respondents were asked to report rent only for the housing unit enumerated and to exclude any rent paid for additional units or for business premises.

If a renter pays rent to the owner of a condominium or cooperative, and the condominium fee or cooperative carrying charge is also paid by the renter to the owner, the respondent was instructed to include the fee or carrying charge.

If a renter receives payments from lodgers or roomers who are listed as members of the household, the respondent was instructed to report the rent without deduction for any payments received from the lodgers or roomers. The respondent was instructed to report the rent agreed to or contracted for even if paid by someone else such as friends or relatives living elsewhere, or a church or welfare agency.

In some tabulations, contract rent is presented for all renter-occupied housing units, as well as specified renter-occupied and vacant-for-rent units. Specified renter-occupied and specified vacant-for-rent units exclude one-family houses on 10 or more acres. (For more information on rent, see the discussion under "Gross Rent.")

Median and Quartile Contract Rent—The median divides the rent distribution into two equal parts. Quartiles divide the rent distribution into four equal parts. In computing median and quartile contract rent, units reported as "No

cash rent" are excluded. Median and quartile rent calculations are rounded to the nearest whole dollar. (For more information on medians and quartiles, see the discussion under "Derived Measures.")

Aggregate Contract Rent—To calculate aggregate contract rent, the amount assigned for the category "Less than \$80" is \$50. The amount assigned to the category "\$1,000 or more" is \$1,250. Mean contract rent is rounded to the nearest whole dollar. (For more information on aggregates and means, see the discussion under "Derived Measures.")

Limitation of the Data—In the 1970 and 1980 censuses, contract rent for vacant units had high allocation rates, about 35 percent.

Comparability—Data on this item have been collected since 1930. For 1990, quartiles were added because the range of rents and values in the United States has increased in recent years. Upper and lower quartiles can be used to note large rent and value differences among various geographic areas.

DURATION OF VACANCY

The data for duration of vacancy (also referred to as "months vacant") were obtained from questionnaire item D, which was completed by census enumerators. The statistics on duration of vacancy refer to the length of time (in months and years) between the date the last occupants moved from the unit and the time of enumeration. The data, therefore, do not provide a direct measure of the total length of time units remain vacant.

For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date conversion or merger was completed. Units occupied by an entire household with a usual home elsewhere are assigned to the "Less than 1 month" interval.

Comparability—Similar data have been collected since 1960. In 1970 and 1980, these data were shown only for year-round vacant housing units. In 1990, these data are shown for all vacant housing units.

FARM RESIDENCE

The data on farm residence were obtained from questionnaire items H19a and H19b. An occupied one-family house or mobile home is classified as a farm residence if: (1) the housing unit is located on a property of 1 acre or more, and (2) at least \$1,000 worth of agricultural products were sold from the property in 1989. Group quarters and housing units that are in multi-unit buildings or vacant are not included as farm residences.

A one-family unit occupied by a tenant household paying cash rent for land and buildings is enumerated as a farm residence only if sales of agricultural products from its yard (as opposed to the general property on which it is located) amounted to at least \$1,000 in 1989. A one-family unit occupied by a tenant household that does not pay cash rent is enumerated as a farm residence if the remainder of the farm (including its yard) qualifies as a farm.

Farm residence is provided as an independent data item only for housing units located in rural areas. It may be derived for housing units in urban areas from the data items on acreage and sales of agricultural products on the public-use microdata sample (PUMS) files. (For more information on PUMS, see Appendix F, Data Products and User Assistance.)

The farm population consists of persons in households living in farm residences. Some persons who are counted on a property classified as a farm (including in some cases farm workers) are excluded from the farm population. Such persons include those who reside in multi-unit buildings or group quarters.

Comparability—These are the same criteria that were used to define a farm residence in 1980. In 1960 and 1970, a farm was defined as a place of 10 or more acres with at least \$50 worth of agricultural sales or a place of less than 10 acres with at least \$250 worth of agricultural sales. Earlier censuses used other definitions. Note that the definition of a farm residence differs from the definition of a farm in the Census of Agriculture (*Factfinder for the Nation: Agricultural Statistics*, Bureau of the Census, 1989).

GROSS RENT

Gross rent is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else). Gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuels as part of the rental payment. The estimated costs of utilities and fuels are reported on a yearly basis but are converted to monthly figures for the tabulations. Renter units occupied without payment of cash rent are shown separately as "No cash rent" in the tabulations. Gross rent is calculated on a sample basis.

Comparability—Data on gross rent have been collected since 1940 for renter-occupied housing units. In 1980, costs for electricity and gas were collected as average monthly costs. In 1990, all utility and fuel costs were collected as yearly costs and divided by 12 to provide an average monthly cost.

GROSS RENT AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1989

Gross rent as a percentage of household income in 1989 is a computed ratio of monthly gross rent to monthly household income (total household income in 1989 divided by 12). The ratio was computed separately for each unit and was rounded to the nearest whole percentage. Units for which no cash rent is paid and units occupied by households that reported no income or a net loss in 1989 comprise the category "Not computed." This item is calculated on a sample basis.

HOUSE HEATING FUEL

The data on house heating fuel were obtained from questionnaire item H14, which was asked at occupied housing units. This item was asked on a sample basis. The data show the type of fuel used most to heat the house or apartment.

Utility Gas—Includes gas piped through underground pipes from a central system to serve the neighborhood.

Bottled, Tank, or LP Gas—Includes liquid propane gas stored in bottles or tanks which are refilled or exchanged when empty.

Fuel Oil, Kerosene, Etc.—Includes fuel oil, kerosene, gasoline, alcohol, and other combustible liquids.

Wood—Includes purchased wood, wood cut by household members on their property or elsewhere, driftwood, saw-mill or construction scraps, or the like.

Solar Energy—Includes heat provided by sunlight which is collected, stored, and actively distributed to most of the rooms.

Other Fuel—Includes all other fuels not specified elsewhere.

No Fuel Used—Includes units that do not use any fuel or that do not have heating equipment.

Comparability—Data on house heating fuel have been collected since 1940. The category, "Solar energy" is new for 1990.

INSURANCE FOR FIRE, HAZARD, AND FLOOD

The data on fire, hazard, and flood insurance were obtained from questionnaire item H22, which was asked at a sample of owner-occupied one-family houses, condominiums, and mobile homes. The statistics for this item refer to the annual premium for fire, hazard, and flood insurance on

the property (land and buildings); that is, policies that protect the property and its contents against loss due to damage by fire, lightning, winds, hail, flood, explosion, and so on.

Liability policies are included only if they are paid with the fire, hazard, and flood insurance premiums and the amounts for fire, hazard, and flood cannot be separated. Premiums are included even if paid by someone outside the household or remain unpaid. When premiums are paid on other than a yearly basis, the premiums are converted to a yearly basis.

The payment for fire, hazard, and flood insurance is added to payments for real estate taxes, utilities, fuels, and mortgages (both first and junior mortgages and home equity loans) to derive "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989."

A separate question (H23d) determines whether insurance premiums are included in the mortgage payment to the lender(s). This makes it possible to avoid counting these premiums twice in the computations.

Comparability—Data on payment for fire and hazard insurance were collected for the first time in 1980. Flood insurance was not specifically mentioned in the wording of the question in 1980. The question was asked only at owner-occupied one-family houses. Excluded were mobile homes, condominiums, houses with a business or medical office on the property, houses on 10 or more acres, and housing units in multi-unit buildings. In 1990, the question was asked of all one-family owner-occupied houses, including houses on 10 or more acres. It also was asked at mobile homes, condominiums, and one-family houses with a business or medical office on the property.

KITCHEN FACILITIES

Data on kitchen facilities were obtained from questionnaire item H11, which was asked at both occupied and vacant housing units. A unit has complete kitchen facilities when it has all of the following: (1) an installed sink with piped water, (2) a range, cook top and convection or microwave oven, or cookstove, and (3) a refrigerator. All kitchen facilities must be located in the structure. They need not be in the same room. Portable cooking equipment is not considered a range or cookstove. An ice box is not considered to be a refrigerator.

Comparability—Data on complete kitchen facilities were collected for the first time in 1970. Earlier censuses collected data on individual components, such as kitchen sink and type of refrigeration equipment. In 1970 and 1980, data for kitchen facilities were shown only for year-round units. In 1990, data are shown for all housing units.

MEALS INCLUDED IN RENT

The data on meals included in the rent were obtained from questionnaire item H7b, which was asked of all

occupied housing units that were rented for cash and all vacant housing units that were for rent at the time of enumeration.

The statistics on meals included in rent are presented for specified renter-occupied and specified vacant-for-rent units. Specified renter-occupied and specified vacant-for-rent units exclude one-family houses on 10 or more acres. (For more information, see the discussion under "Contract Rent.")

Comparability—This is a new item in 1990. It is intended to measure "congregate" housing, which generally is considered to be housing units where the rent includes meals and other services, such as transportation to shopping and recreation.

MOBILE HOME COSTS

The data on mobile home costs were obtained from questionnaire item H26, which was asked at owner-occupied mobile homes. This item was asked on a sample basis.

These data include the total yearly costs for personal property taxes, land or site rent, registration fees, and license fees on all owner-occupied mobile homes. The instructions are to not include real estate taxes already reported in question H21.

Costs are estimated as closely as possible when exact costs are not known. Amounts are the total for an entire 12-month billing period, even if they are paid by someone outside the household or remain unpaid.

The data from this item are added to payments for mortgages, real estate taxes, fire, hazard, and flood insurance payments, utilities, and fuels to derive selected monthly owner costs for mobile homes owners.

Comparability—This item is new for 1990.

MORTGAGE PAYMENT

The data on mortgage payment were obtained from questionnaire item H23b, which was asked at owner-occupied one-family houses, condominiums, and mobile homes. This item was asked on a sample basis. Question H23b provides the regular monthly amount required to be paid the lender for the first mortgage (deed of trust, contract to purchase, or similar debt) on the property. Amounts are included even if the payments are delinquent or paid by someone else. The amounts reported are included in the computation of "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989" for units with a mortgage.

The amounts reported include everything paid to the lender including principal and interest payments, real estate taxes, fire, hazard, and flood insurance payments, and mortgage insurance premiums. Separate questions determine whether real estate taxes and fire, hazard, and flood

insurance payments are included in the mortgage payment to the lender. This makes it possible to avoid counting these components twice in the computation of "Selected Monthly Owner Costs."

Comparability—Information on mortgage payment was collected for the first time in 1980. It was collected only at owner-occupied one-family houses. Excluded were mobile homes, condominiums, houses with a business or medical office on the property, one-family houses on 10 or more acres, and housing units in multi-unit buildings. In 1990, the questions on monthly mortgage payments were asked of all owner-occupied one-family houses, including one-family houses on 10 or more acres. They were also asked at mobile homes, condominiums, and one-family houses with a business or medical office.

The 1980 census obtained total regular monthly mortgage payments, including payments on second or junior mortgages, from a single question. Two questions were used in 1990; one for regular monthly payments on first mortgages, and one for regular monthly payments on second or junior mortgages or home equity loans. (For more information, see the discussion under "Second or Junior Mortgage Payment.")

MORTGAGE STATUS

The data on mortgage status were obtained from questionnaire items H23a and H24a, which were asked at owner-occupied one-family houses, condominiums, and mobile homes. "Mortgage" refers to all forms of debt where the property is pledged as security for repayment of the debt. It includes such debt instruments as deeds of trust, trust deeds, contracts to purchase, land contracts, junior mortgages and home equity loans.

A mortgage is considered a first mortgage if it has prior claim over any other mortgage or if it is the only mortgage on the property. All other mortgages, (second, third, etc.) are considered junior mortgages. A home equity loan is generally a junior mortgage. If no first mortgage is reported, but a junior mortgage or home equity loan is reported, then the loan is considered a first mortgage.

In most census data products, the tabulations for "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989" usually are shown separately for units "with a mortgage" and for units "not mortgaged." The category "not mortgaged" is comprised of housing units owned free and clear of debt.

Comparability—A question on mortgage status was included in the 1940 and 1950 censuses, but not in the 1960 and 1970 censuses. The item was reinstated in 1980 along with a separate question dealing with the existence of second or junior mortgages. In 1980, the mortgage status questions were asked at owner-occupied one-family houses on less than 10 acres. Excluded were mobile homes,

condominiums, houses with a business or medical office, houses on 10 or more acres, and housing units in multi-unit buildings. In 1990, the questions were asked of all one-family owner-occupied housing units, including houses on 10 or more acres. They were also asked at mobile homes, condominiums, and houses with a business or medical office.

PERSONS IN UNIT

This item is based on the 100-percent count of persons in occupied housing units. All persons occupying the housing unit are counted, including the householder, occupants related to the householder, and lodgers, roomers, boarders, and so forth.

The data on "persons in unit" show the number of housing units occupied by the specified number of persons. The phrase "persons in unit" is used for housing tabulations, "persons in households" for population items. Figures for "persons in unit" match those for "persons in household" for 100-percent data products. In sample products, they may differ because of the weighting process.

Median Persons in Unit—In computing median persons in unit, a whole number is used as the midpoint of an interval; thus, a unit with 4 persons is treated as an interval ranging from 3.5 to 4.5 persons. Median persons is rounded to the nearest hundredth. (For more information on medians, see the discussion under "Derived Measures.")

Persons in Occupied Housing Units—This is the total population minus those persons living in group quarters. "Persons per occupied housing unit" is computed by dividing the population living in housing units by the number of occupied housing units.

PERSONS PER ROOM

"Persons per room" is obtained by dividing the number of persons in each occupied housing unit by the number of rooms in the unit. Persons per room is rounded to the nearest hundredth. The figures shown refer, therefore, to the number of occupied housing units having the specified ratio of persons per room.

Mean Persons Per Room—This is computed by dividing persons in housing units by the aggregate number of rooms. This is intended to provide a measure of utilization. A higher mean may indicate a greater degree of utilization or crowding; a low mean may indicate under-utilization. (For more information on means, see the discussion under "Derived Measures.")

PLUMBING FACILITIES

The data on plumbing facilities were obtained from questionnaire item H10, which was asked at both occupied and vacant housing units. This item was asked on a

sample basis. Complete plumbing facilities include hot and cold piped water, a flush toilet, and a bathtub or shower. All three facilities must be located inside the house, apartment, or mobile home, but not necessarily in the same room. Housing units are classified as lacking complete plumbing facilities when any of the three facilities are not present.

Comparability—The 1990 data on complete plumbing facilities are not strictly comparable with the 1980 data. In 1980, complete plumbing facilities were defined as hot and cold piped water, a bathtub or shower, and a flush toilet in the housing unit for the exclusive use of the residents of that unit. In 1990, the Census Bureau dropped the requirement of exclusive use from the definition of complete plumbing facilities. Of the 2.3 million year-round housing units classified in 1980 as lacking complete plumbing for exclusive use, approximately 25 percent of these units had complete plumbing but the facilities were also used by members of another household. From 1940 to 1970, separate and more detailed questions were asked on piped water, bathing, and toilet facilities. In 1970 and 1980, the data on plumbing facilities were shown only for year-round units.

POVERTY STATUS OF HOUSEHOLDS IN 1989

The data on poverty status of households were derived from answers to the income questions. The income items were asked on a sample basis. Households are classified below the poverty level when the total 1989 income of the family or of the nonfamily householder is below the appropriate poverty threshold. The income of persons living in the household who are unrelated to the householder is not considered when determining the poverty status of a household, nor does their presence affect the household size in determining the appropriate poverty threshold. The poverty thresholds vary depending upon three criteria: size of family, number of children, and age of the family householder or unrelated individual for one and two-persons households. (For more information, see the discussion of "Poverty Status in 1989" and "Income in 1989" under Population Characteristics.)

REAL ESTATE TAXES

The data on real estate taxes were obtained from questionnaire item H21, which was asked at owner-occupied one-family houses, condominiums, and mobile homes. The statistics from this question refer to the total amount of all real estate taxes on the entire property (land and buildings) payable in 1989 to all taxing jurisdictions, including special assessments, school taxes, county taxes, and so forth.

Real estate taxes include State, local, and all other real estate taxes even if delinquent, unpaid, or paid by someone who is not a member of the household. However, taxes due from prior years are not included. If taxes are paid on other than a yearly basis, the payments are converted to a yearly basis.

The payment for real estate taxes is added to payments for fire, hazard, and flood insurance; utilities and fuels; and mortgages (both first and junior mortgages and home equity loans) to derive "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989." A separate question (H23c) determines whether real estate taxes are included in the mortgage payment to the lender(s). This makes it possible to avoid counting taxes twice in the computations.

Comparability—Data for real estate taxes were collected for the first time in 1980. The question was asked only at owner-occupied one-family houses. Excluded were mobile homes or trailers, condominiums, houses with a business or medical office on the property, houses on 10 or more acres, and housing units in multi-unit buildings. In 1990, the question was asked of all one-family owner-occupied houses, including houses on 10 or more acres. It also was asked at mobile homes, condominiums, and one-family houses with a business or medical office on the property.

ROOMS

The data on rooms were obtained from questionnaire item H3, which was asked at both occupied and vacant housing units. The statistics on rooms are in terms of the number of housing units with a specified number of rooms. The intent of this question is to count the number of whole rooms used for living purposes.

For each unit, rooms include living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, enclosed porches suitable for year-round use, and lodger's rooms. Excluded are strip or pullman kitchens, bathrooms, open porches, balconies, halls or foyers, half-rooms, utility rooms, unfinished attics or basements, or other unfinished space used for storage. A partially divided room is a separate room only if there is a partition from floor to ceiling, but not if the partition consists solely of shelves or cabinets.

Median Rooms—This measure divides the room distribution into two equal parts, one-half of the cases falling below the median number of rooms and one-half above the median. In computing median rooms, the whole number is used as the midpoint of the interval; thus, the category "3 rooms" is treated as an interval ranging from 2.5 to 3.5 rooms. Median rooms is rounded to the nearest tenth. (For more information on medians, see the discussion under "Derived Measures.")

Aggregate Rooms—To calculate aggregate rooms, an arbitrary value of "10" is assigned to rooms for units falling within the terminal category, "9 or more." (For more information on aggregates and means, see the discussion under "Derived Measures.")

Comparability—Data on rooms have been collected since 1940. In 1970 and 1980, these data were shown only for year-round housing units. In 1990, these data are shown for all housing units.

SECOND OR JUNIOR MORTGAGE PAYMENT

The data on second or junior mortgage payments were obtained from questionnaire items H24a and H24b, which were asked at owner-occupied one-family houses, condominiums, and mobile homes. Question H24a asks whether a second or junior mortgage or a home equity loan exists on the property. Question H24b provides the regular monthly amount required to be paid to the lender on all second or junior mortgages and home equity loans. Amounts are included even if the payments are delinquent or paid by someone else. The amounts reported are included in the computation of "Selected Monthly Owner Costs" and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989" for units with a mortgage.

All mortgages other than first mortgages are classified as "junior" mortgages. A second mortgage is a junior mortgage that gives the lender a claim against the property that is second to the claim of the holder of the first mortgage. Any other junior mortgage(s) would be subordinate to the second mortgage. A home equity loan is a line of credit available to the borrower that is secured by real estate. It may be placed on a property that already has a first or second mortgage, or it may be placed on a property that is owned free and clear.

If the respondents answered that no first mortgage existed, but a second mortgage did (as in the above case with a home equity loan), a computer edit assigned the unit a first mortgage and made the first mortgage monthly payment the amount reported in the second mortgage. The second mortgage data were then made "No" in question H24a and blank in question H24b.

Comparability—The 1980 census obtained total regular monthly mortgage payments, including payments on second or junior mortgages, from one single question. Two questions were used in 1990: one for regular monthly payments on first mortgages, and one for regular monthly payments on second or junior mortgages and home equity loans.

SELECTED MONTHLY OWNER COSTS

The data on selected monthly owner costs were obtained from questionnaire items H20 through H26 for a sample of owner-occupied one-family houses, condominiums, and mobile homes. Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, contracts to purchase, or similar debts on the property (including payments for the first mortgage, second or junior mortgages, and home equity loans); real estate taxes; fire, hazard, and flood insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.). It also includes, where appropriate, the monthly condominium fee for condominiums and mobile home costs (personal property taxes, site rent, registration fees, and license fees) for mobile homes.

In certain tabulations, selected monthly owner costs are presented separately for specified owner-occupied housing units (owner-occupied one-family houses on fewer than 10 acres without a business or medical office on the property), owner-occupied condominiums, and owner-occupied mobile homes. Data usually are shown separately for units "with a mortgage" and for units "not mortgaged."

Median Selected Monthly Owner Costs—This measure is rounded to the nearest whole dollar.

Comparability—The components of selected monthly owner costs were collected for the first time in 1980. The 1990 tabulations of selected monthly owner costs for specified owner-occupied housing units are virtually identical to 1980, the primary difference was the amounts of the first and second mortgages were collected in separate questions in 1990, while the amounts were collected in a single question in 1980. The component parts of the item were tabulated for mobile homes and condominiums for the first time in 1990.

In 1980, costs for electricity and gas were collected as average monthly costs. In 1990, all utility and fuel costs were collected as yearly costs and divided by 12 to provide an average monthly cost.

SELECTED MONTHLY OWNER COSTS AS A PERCENTAGE OF HOUSEHOLD INCOME IN 1989

The information on selected monthly owner costs as a percentage of household income in 1989 is the computed ratio of selected monthly owner costs to monthly household income in 1989. The ratio was computed separately for each unit and rounded to the nearest whole percentage. The data are tabulated separately for specified owner-occupied units, condominiums, and mobile homes.

Separate distributions are often shown for units "with a mortgage" and for units "not mortgaged." Units occupied by households reporting no income or a net loss in 1989 are included in the "not computed" category. (For more information, see the discussion under "Selected Monthly Owner Costs.")

Comparability—The components of selected monthly owner costs were collected for the first time in 1980. The tabulations of "Selected Monthly Owner Costs as a Percentage of Household Income in 1989" for specified owner-occupied housing units are comparable to 1980.

SEWAGE DISPOSAL

The data on sewage disposal were obtained from questionnaire item H16, which was asked at both occupied and vacant housing units. This item was asked on a sample basis. Housing units are either connected to a public sewer, to a septic tank or cesspool, or they dispose

of sewage by other means. A public sewer may be operated by a government body or by a private organization. A housing unit is considered to be connected to a septic tank or cesspool when the unit is provided with an underground pit or tank for sewage disposal. The category, "Other means" includes housing units which dispose of sewage in some other way.

Comparability—Data on sewage disposal have been collected since 1940. In 1970 and 1980, data were shown only for year-round housing units. In 1990, data are shown for all housing units.

SOURCE OF WATER

The data on source of water were obtained from questionnaire item H15, which was asked at both occupied and vacant housing units. Housing units may receive their water supply from a number of sources. A common source supplying water to five or more units is classified as a "Public system or private company." The water may be supplied by a city, county, water district, water company, etc., or it may be obtained from a well which supplies water to five or more housing units. If the water is supplied from a well serving four or fewer housing units, the units are classified as having water supplied by either an "Individual drilled well" or an "Individual dug well." Drilled wells or small diameter wells are usually less than 1-1/2 feet in diameter. Dug wells are usually larger than 1-1/2 feet wide and generally hand dug. The category, "Some other source" includes water obtained from springs, creeks, rivers, lakes, cisterns, etc.

Comparability—Data on source of water have been collected since 1940. In 1970 and 1980, data were shown only for year-round housing units. In 1990, data are shown for all housing units.

TELEPHONE IN HOUSING UNIT

The data on telephones were obtained from questionnaire item H12, which was asked at occupied housing units. This item was asked on a sample basis. A telephone must be inside the house or apartment for the unit to be classified as having a telephone. Units where the respondent uses a telephone located inside the building but not in the respondent's living quarters are classified as having no telephone.

Comparability—Data on telephones in 1980 are comparable to 1990. The 1960 and 1970 censuses collected data on telephone availability. A unit was classified as having a telephone available if there was a telephone number on which occupants of the unit could be reached. The telephone could have been in another unit, in a common hall, or outside the building.

TENURE

The data for tenure were obtained from questionnaire item H4, which was asked at all occupied housing units. All occupied housing units are classified as either owner occupied or renter occupied.

Owner Occupied—A housing unit is owner occupied if the owner or co-owner lives in the unit even if it is mortgaged or not fully paid for. The owner or co-owner must live in the unit and usually is the person listed in column 1 of the questionnaire. The unit is “Owned by you or someone in this household with a mortgage or loan” if it is being purchased with a mortgage or some other debt arrangement such as a deed of trust, trust deed, contract to purchase, land contract, or purchase agreement. The unit is also considered owned with a mortgage if it is built on leased land and there is a mortgage on the unit.

A housing unit is “Owned by you or someone in this household free and clear (without a mortgage)” if there is no mortgage or other similar debt on the house, apartment, or mobile home including units built on leased land if the unit is owned outright without a mortgage. Although owner-occupied units are divided between mortgaged and owned free and clear on the questionnaire, census data products containing 100-percent data show only total owner-occupied counts. More extensive mortgage information was collected on the long-form questionnaire and are shown in census products containing sample data. (For more information, see the discussion under “Mortgage Status.”)

Renter Occupied—All occupied housing units which are not owner occupied, whether they are rented for cash rent or occupied without payment of cash rent, are classified as renter occupied. “No cash rent” units are separately identified in the rent tabulations. Such units are generally provided free by friends or relatives or in exchange for services such as resident manager, caretaker, minister, or tenant farmer. Housing units on military bases also are classified in the “No cash rent” category. “Rented for cash rent” includes units in continuing care, sometimes called life care arrangements. These arrangements usually involve a contract between one or more individuals and a health services provider guaranteeing the individual shelter, usually a house or apartment, and services, such as meals or transportation to shopping or recreation.

Comparability—Data on tenure have been collected since 1890. In 1970, the question on tenure also included a category for condominium and cooperative ownership. In 1980, condominium units and cooperatives were dropped from the tenure item, and since 1980, only condominium units are identified in a separate question.

For 1990, the response categories were expanded to allow the respondent to report whether the unit was owned with a mortgage or free and clear (without a mortgage). The distinction between units owned with a mortgage and units owned free and clear was added in 1990 to improve

the count of owner-occupied units. Research after the 1980 census indicated some respondents did not consider their units owned if they had a mortgage.

UNITS IN STRUCTURE

The data on units in structure (also referred to as “type of structure”) were obtained from questionnaire item H2, which was asked at all housing units. A structure is a separate building that either has open spaces on all sides or is separated from other structures by dividing walls that extend from ground to roof. In determining the number of units in a structure, all housing units, both occupied and vacant, are counted. Stores and office space are excluded.

The statistics are presented for the number of housing units in structures of specified type and size, not for the number of residential buildings.

1-Unit, Detached—This is a 1-unit structure detached from any other house; that is, with open space on all four sides. Such structures are considered detached even if they have an adjoining shed or garage. A one-family house that contains a business is considered detached as long as the building has open space on all four sides. Mobile homes or trailers to which one or more permanent rooms have been added or built also are included.

1-Unit, Attached—This is a 1-unit structure that has one or more walls extending from ground to roof separating it from adjoining structures. In row houses (sometimes called townhouses), double houses, or houses attached to non-residential structures, each house is a separate, attached structure if the dividing or common wall goes from ground to roof.

2 or More Units—These are units in structures containing 2 or more housing units, further categorized as units in structures with 2, 3 or 4, 5 to 9, 10 to 19, 20 to 49, and 50 or more units.

Mobile Home or Trailer—Both occupied and vacant mobile homes to which no permanent rooms have been added are counted in this category. Mobile homes or trailers used only for business purposes or for extra sleeping space and mobile homes or trailers for sale on a dealer's lot, at the factory, or in storage are not counted in the housing inventory.

Other—This category is for any living quarters occupied as a housing unit that does not fit the previous categories. Examples that fit this category are houseboats, railroad cars, campers, and vans.

Comparability—Data on units in structure have been collected since 1940 and on mobile homes and trailers since 1950. In 1970 and 1980, these data were shown only for year-round housing units. In 1990, these data are

shown for all housing units. In 1980, the data were collected on a sample basis. The category, "Boat, tent, van, etc." was replaced in 1990 by the category "Other." In some areas, the proportion of units classified as "Other" is far larger than the number of units that were classified as "Boat, tent, van, etc." in 1980.

USUAL HOME ELSEWHERE

The data for usual home elsewhere are obtained from questionnaire item B, which was completed by census employees. A housing unit temporarily occupied at the time of enumeration entirely by persons with a usual residence elsewhere is classified as vacant. The occupants are classified as having a "Usual home elsewhere" and are counted at the address of their usual place of residence. Typical examples are people in a vacation home, persons renting living quarters temporarily for work, and migrant workers.

Limitation of the Data—Evidence from previous censuses suggests that in some areas enumerators marked units as "vacant—usual home elsewhere" when they should have marked "vacant—regular."

Comparability—Data for usual home elsewhere was tabulated for the first time in 1980.

UTILITIES

The data on utility costs were obtained from questionnaire items H20a through H20d, which were asked of occupied housing units. These items were asked on a sample basis.

Questions H20a through H20d asked for the yearly cost of utilities (electricity, gas, water) and other fuels (oil, coal, wood, kerosene, etc.). For the tabulations, these yearly amounts are divided by 12 to derive the average monthly cost and are then included in the computation of "Gross Rent," "Gross Rent as a Percentage of Household Income in 1989," "Selected Monthly Owner Costs," and "Selected Monthly Owner Costs as a Percentage of Household Income in 1989."

Costs are recorded if paid by or billed to occupants, a welfare agency, relatives, or friends. Costs that are paid by landlords, included in the rent payment, or included in condominium or cooperative fees are excluded.

Limitation of the Data—Research has shown that respondents tended to overstate their expenses for electricity and gas when compared to utility company records. There is some evidence that this overstatement is reduced when yearly costs are asked rather than monthly costs. Caution should be exercised in using these data for direct analysis because costs are not reported for certain kinds of units

such as renter-occupied units with all utilities included in the rent and owner-occupied condominium units with utilities included in the condominium fee.

Comparability—The data on utility costs have been collected since 1980 for owner-occupied housing units, and since 1940 for renter-occupied housing units. In 1980, costs for electricity and gas were collected as average monthly costs. In 1990, all utility and fuel costs were collected as yearly costs and divided by 12 to provide an average monthly cost.

VACANCY STATUS

The data on vacancy status were obtained from questionnaire item C1, which was completed by census enumerators. Vacancy status and other characteristics of vacant units were determined by enumerators obtaining information from landlords, owners, neighbors, rental agents, and others. Vacant units are subdivided according to their housing market classification as follows:

For Rent—These are vacant units offered "for rent," and vacant units offered either "for rent" or "for sale."

For Sale Only—These are vacant units being offered "for sale only," including units in cooperatives and condominium projects if the individual units are offered "for sale only."

Rented or Sold, Not Occupied—If any money rent has been paid or agreed upon but the new renter has not moved in as of the date of enumeration, or if the unit has recently been sold but the new owner has not yet moved in, the vacant unit is classified as "rented or sold, not occupied."

For Seasonal, Recreational, or Occasional Use—These are vacant units used or intended for use only in certain seasons or for weekend or other occasional use throughout the year.

Seasonal units include those used for summer or winter sports or recreation, such as beach cottages and hunting cabins. Seasonal units also may include quarters for such workers as herders and loggers. Interval ownership units, sometimes called shared-ownership or time-sharing condominiums, also are included here.

For Migrant Workers—These include vacant units intended for occupancy by migratory workers employed in farm work during the crop season. (Work in a cannery, a freezer plant, or a food-processing plant is not farm work.)

Other Vacant—If a vacant unit does not fall into any of the classifications specified above, it is classified as "other vacant." For example, this category includes units held for occupancy by a caretaker or janitor, and units held for personal reasons of the owner.

Homeowner Vacancy Rate—This is the percentage relationship between the number of vacant units for sale and the total homeowner inventory. It is computed by dividing the number of vacant units for sale only by the sum of the owner-occupied units and the number of vacant units that are for sale only.

Rental Vacancy Rate—This is the percentage relationship of the number of vacant units for rent to the total rental inventory. It is computed by dividing the number of vacant units for rent by the sum of the renter-occupied units and the number of vacant units for rent.

Comparability—Data on vacancy status have been collected since 1940. For 1990, the category, "seasonal/recreational/occasional use" combined vacant units classified in 1980 as "seasonal or migratory" and "held for occasional use." Also, in 1970 and 1980, housing characteristics generally were presented only for year-round units. In 1990, housing characteristics are shown for all housing units.

VALUE

The data on value (also referred to as "price asked" for vacant units) were obtained from questionnaire item H6, which was asked at housing units that were owned, being bought, or vacant for sale at the time of enumeration. Value is the respondent's estimate of how much the property (house and lot, mobile home and lot, or condominium unit) would sell for if it were for sale. If the house or mobile home was owned or being bought, but the land on which it sits was not, the respondent was asked to estimate the combined value of the house or mobile home and the land. For vacant units, value was the price asked for the property.

Value was tabulated separately for all owner-occupied and vacant-for-sale housing units, owner-occupied and vacant-for-sale mobile homes or trailers, and specified owner-occupied and specified vacant-for-sale housing units. Specified owner-occupied and specified vacant-for-sale housing units include only one-family houses on fewer than 10 acres without a business or medical office on the property. The data for "specified units" exclude mobile homes, houses with a business or medical office, houses on 10 or more acres, and housing units in multi-unit buildings.

Median and Quartile Value—The median divides the value distribution into two equal parts. Quartiles divide the value distribution into four equal parts. These measures are rounded to the nearest hundred dollars. (For more information on medians and quartiles, see the discussion under "Derived Measures.")

Aggregate Value—To calculate aggregate value, the amount assigned for the category "Less than \$10,000" is \$9,000. The amount assigned to the category "\$500,000 or more"

is \$600,000. Mean value is rounded to the nearest hundred dollars. (For more information on aggregates and means, see the discussion under "Derived Measures.")

Comparability—In 1980, value was asked only at owner-occupied or vacant-for-sale one-family houses on fewer than 10 acres with no business or medical office on the property and at all owner-occupied or vacant-for-sale condominium housing units. Mobile homes were excluded. Value data were presented for specified owner-occupied housing units, specified vacant-for-sale-only housing units, and owner-occupied condominium housing units.

In 1990, the question was asked at all owner-occupied or vacant-for-sale-only housing units with no exclusions. Data presented for specified owner-occupied and specified vacant-for-sale-only housing units will include one-family condominium houses but not condominiums in multi-unit structures since condominium units are now identified only in long-form questionnaires.

For 1990, quartiles have been added because the range of values and rents in the United States has increased in recent years. Upper and lower quartiles can be used to note large value and rent differences among various geographic areas.

VEHICLES AVAILABLE

The data on vehicles available were obtained from questionnaire item H13, which was asked at occupied housing units. This item was asked on a sample basis. These data show the number of households with a specified number of passenger cars, vans, and pickup or panel trucks of one-ton capacity or less kept at home and available for the use of household members. Vehicles rented or leased for one month or more, company vehicles, and police and government vehicles are included if kept at home and used for nonbusiness purposes. Dismantled or immobile vehicles are excluded. Vehicles kept at home but used only for business purposes also are excluded.

Vehicles Per Household—This is computed by dividing aggregate vehicles available by the number of occupied housing units.

Limitation of the Data—The 1980 census evaluations showed that the number of automobiles was slightly overreported; the number of vans and trucks slightly underreported. The statistics do not measure the number of vehicles privately owned or the number of households owning vehicles.

Comparability—Data on automobiles available were collected from 1960 to 1980. In 1980, a separate question also was asked on the number of trucks and vans. The data on automobiles and trucks and vans were presented

separately and also as a combined vehicles available tabulation. The 1990 data are comparable to the 1980 vehicles available tabulations.

YEAR HOUSEHOLDER MOVED INTO UNIT

The data on year householder moved into unit were obtained from questionnaire item H8, which was asked at occupied housing units. This item was asked on a sample basis. These data refer to the year of the latest move by the householder. If a householder moved back into a housing unit he or she previously occupied, the year of the latest move was reported. If the householder moved from one apartment to another within the same building, the year the householder moved into the present apartment was reported. The intent is to establish the year the present occupancy by the householder began. The year that the householder moved in is not necessarily the same year other members of the household moved, although in the great majority of cases an entire household moves at the same time.

Comparability—In 1960 and 1970, this question was asked of every person and included in population reports. This item in housing tabulations refers to the year the householder moved in. In 1980 and 1990, the question was asked only of the householder.

YEAR STRUCTURE BUILT

The data on year structure built were obtained from questionnaire item H17, which was asked at both occupied and vacant housing units. This item was asked on a sample basis. Data on year structure built refer to when the building was first constructed, not when it was remodeled, added to, or converted. For housing units under construction that met the housing unit definition—that is, all exterior windows, doors, and final usable floors were in place—the category “1989 or March 1990” was used. For a houseboat or a mobile home or trailer, the manufacturer’s model year was assumed to be the year built. The figures shown in census data products relate to the number of units built during the specified periods that were still in existence at the time of enumeration.

Median Year Structure Built—The median divides the distribution into two equal parts. The median is rounded to the nearest calendar year. Median age of housing can be obtained by subtracting median year structure built from 1990. For example, if the median year structure built is 1957, the median age of housing in that area is 33 years (1990 minus 1957).

Limitation of the Data—Data on year structure built are more susceptible to errors of response and nonreporting than data on many other items because respondents must rely on their memory or on estimates by persons who have

lived in the neighborhood a long time. Available evidence indicates there is underreporting in the older-year-structure-built categories, especially “Built in 1939 or earlier.” The introduction of the “Don’t know” category (see the discussion on “Comparability”) may have resulted in relatively higher allocation rates. Data users should refer to the discussion in Appendix C, Accuracy of the Data, and to the allocation tables.

Comparability—Data on year structure built were collected for the first time in the 1940 census. Since then, the response categories have been modified to accommodate the 10-year period between each census. In 1990, the category, “Don’t Know,” was added in an effort to minimize the response error mentioned in the paragraph above on limitation of the data.

DERIVED MEASURES

Census data products include various derived measures, such as medians, means, and percentages, as well as certain rates and ratios. Derived measures that round to less than 0.1 are not shown but indicated as zero. In printed reports, zero is indicated by a dash (–).

Interpolation

Interpolation frequently is used in calculating medians or quartiles based on interval data and in approximating standard errors from tables. Linear interpolation is used to estimate values of a function between two known values. “Pareto interpolation” is an alternative to linear interpolation. It is used by the Census Bureau in calculating median income within intervals wider than \$2,500. In Pareto interpolation, the median is derived by interpolating between the logarithms of the upper and lower income limits of the median category.

Mean

This measure represents an arithmetic average of a set of values. It is derived by dividing the sum of a group of numerical items (or aggregate) by the total number of items. Aggregates are used in computing mean values. For example, mean family income is obtained by dividing the aggregate of all income reported by persons in families by the total number of families. (Additional information on means and aggregates is included in the separate explanations of many population and housing subjects.)

Median

This measure represents the middle value in a distribution. The median divides the total frequency into two equal parts: one-half of the cases fall below the median and one-half of the cases exceed the median. The median is

computed on the basis of the distribution as tabulated, which is sometimes more detailed than the distribution shown in specific census publications and other data products.

In reports, if the median falls within the upper interval of the tabulation distribution, the median is shown as the initial value of the interval followed by a plus sign (+); if within the lower interval, the median is shown as the upper value of the category followed by a minus sign (-). For summary tape files, if the median falls within the upper or lower interval, it is set to a specified value. (Additional information on medians is included in the separate explanations of many population and housing subjects.)

Percentages, Rates, and Ratios

These measures are frequently presented in census products to compare two numbers or two sets of measurements. These comparisons are made in two ways: (1)

subtraction, which provides an absolute measure of the difference between two items, and (2) the quotient of two numbers, which provides a relative measure of difference.

Quartile

This measure divides a distribution into four equal parts. The first quartile (or lower quartile) is the value that defines the upper limit of the lowest one-quarter of the cases. The second quartile is the median. The third quartile (or upper quartile) defines the lower limit of the upper one-quarter of the cases in the distribution. The difference between the upper and lower quartiles is called the interquartile range. This interquartile range is less affected by wide variations than is the mean. Quartiles are presented for certain financial characteristics such as housing value and rent.

APPENDIX C.

Accuracy of the Data

CONTENTS

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INTRODUCTION

The data contained in this data product are based on the 1990 census sample. The data are estimates of the actual figures that would have been obtained from a complete count. Estimates derived from a sample are expected to be different from the 100-percent figures because they are subject to sampling and nonsampling errors. Sampling error in data arises from the selection of persons and housing units to be included in the sample. Nonsampling error affects both sample and 100-percent data, and is introduced as a result of errors that may occur during the collection and processing phases of the census. Provided below is a detailed discussion of both types of errors and a description of the estimation procedures.

SAMPLE DESIGN

Every person and housing unit in the United States was asked certain basic demographic and housing questions (for example, race, age, marital status, housing value, or rent). A sample of these persons and housing units was asked more detailed questions about such items as income, occupation, and housing costs in addition to the basic demographic and housing information. The primary sampling unit for the 1990 census was the housing unit, including all occupants. For persons living in group quarters, the sampling unit was the person. Persons in group quarters were sampled at a 1-in-6 rate.

The sample designation method depended on the data collection procedures. Approximately 95 percent of the population was enumerated by the mailback procedure. In these areas, the Bureau of the Census either purchased a commercial mailing list, which was updated by the United States Postal Service and Census Bureau field staff, or prepared a mailing list by canvassing and listing each address in the area prior to Census Day. These lists were computerized and the appropriate units were electronically designated as sample units. The questionnaires were either mailed or hand-delivered to the addresses with instructions to complete and mail back the form.

Housing units in governmental units with a precensus (1988) estimated population of fewer than 2,500 persons were sampled at 1-in-2. Governmental units were defined for sampling purposes as all incorporated places, all counties, all county equivalents such as parishes in Louisiana, and all minor civil divisions in Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin. Housing units in census tracts and block numbering areas (BNA's) with a precensus housing unit count below 2,000 housing units were sampled at 1-in-6 for those portions not in small governmental units (governmental units with a population less than 2,500). Housing units within census tracts and BNA's with 2,000 or more housing units were sampled at 1-in-8 for those portions not in small governmental units.

In list/enumerate areas (about 5 percent of the population), each enumerator was given a blank address register with designated sample lines. Beginning about Census Day, the enumerator systematically canvassed an assigned area and listed all housing units in the address register in the order they were encountered. Completed questionnaires, including sample information for any housing unit listed on a designated sample line, were collected. For all governmental units with fewer than 2,500 persons in list/enumerate areas, a 1-in-2 sampling rate was used. All other list/enumerate areas were sampled at 1-in-6.

Housing units in American Indian reservations, tribal jurisdiction statistical areas, and Alaska Native villages were sampled according to the same criteria as other governmental units, except the sampling rates were based on the size of the American Indian and Alaska Native population in those areas as measured in the 1980 census. Trust lands were sampled at the same rate as their associated American Indian reservations. Census designated places in Hawaii were sampled at the same rate as governmental units because the Census Bureau does not recognize incorporated places in Hawaii.

The purpose of using variable sampling rates was to provide relatively more reliable estimates for small areas and decrease respondent burden in more densely populated areas while maintaining data reliability. When all sampling rates were taken into account across the Nation, approximately one out of every six housing units in the Nation was included in the 1990 census sample.

CONFIDENTIALITY OF THE DATA

To maintain the confidentiality required by law (Title 13, United States Code), the Bureau of the Census applies a confidentiality edit to the 1990 census data to assure that

published data do not disclose information about specific individuals, households, or housing units. As a result, a small amount of uncertainty is introduced into the estimates of census characteristics. The sample itself provides adequate protection for most areas for which sample data are published since the resulting data are estimates of the actual counts; however, small areas require more protection. The edit is controlled so that the basic structure of the data is preserved.

The confidentiality edit is implemented by selecting a small subset of individual households from the internal sample data files and blanking a subset of the data items on these household records. Responses to those data items were then imputed using the same imputation procedures that were used for nonresponse. A larger subset of households is selected for the confidentiality edit for small areas to provide greater protection for these areas. The editing process is implemented in such a way that the quality and usefulness of the data were preserved.

ERRORS IN THE DATA

Since statistics in this data product are based on a sample, they may differ somewhat from 100-percent figures that would have been obtained if all housing units, persons within those housing units, and persons living in group quarters had been enumerated using the same questionnaires, instructions, enumerators, etc. The sample estimate also would differ from other samples of housing units, persons within those housing units, and persons living in group quarters. The deviation of a sample estimate from the average of all possible samples is called the sampling error. The standard error of a sample estimate is a measure of the variation among the estimates from all the possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The sample estimate and its estimated standard error permit the construction of interval estimates with prescribed confidence that the interval includes the average result of all possible samples. Described below is the method of calculating standard errors and confidence intervals for the data in this product.

In addition to the variability which arises from the sampling procedures, both sample data and 100-percent data are subject to nonsampling error. Nonsampling error may be introduced during any of the various complex operations used to collect and process census data. For example, operations such as editing, reviewing, or handling questionnaires may introduce error into the data. A detailed discussion of the sources of nonsampling error is given in the section on "Control of Nonsampling Error" in this appendix.

Nonsampling error may affect the data in two ways. Errors that are introduced randomly will increase the variability of the data and should therefore be reflected in the standard error. Errors that tend to be consistent in one

direction will make both sample and 100-percent data biased in that direction. For example, if respondents consistently tend to under-report their income, then the resulting counts of households or families by income category will tend to be understated for the higher income categories and overstated for the lower income categories. Such biases are not reflected in the standard error.

Calculation of Standard Errors

Totals and Percentages—Tables A through C in this appendix contain the information necessary to calculate the standard errors of sample estimates in this data product. To calculate the standard error, it is necessary to know the basic standard error for the characteristic (given in table A or B) that would result under a simple random sample design (of persons, households, or housing units) and estimation technique; the design factor for the particular characteristic estimated (given in table C); and the number of persons or housing units in the tabulation area and the percent of these in the sample. For machine-readable products, the percent-in-sample is included in a data matrix on the file for each tabulation area. In printed reports, the percent-in-sample is provided in data tables at the end of the statistical tables that compose the report. The design factors reflect the effects of the actual sample design and complex ratio estimation procedure used for the 1990 census. Tape purchasers will receive table C, the table of design factors, as a supplement to the technical documentation. Table C is included in this appendix for printed reports.

The steps given below should be used to calculate the standard error of an estimate of a total or a percentage contained in this product. A percentage is defined here as a ratio of a numerator to a denominator where the numerator is a subset of the denominator. For example, the proportion of Black teachers is the ratio of Black teachers to all teachers.

1. Obtain the standard error from table A or B (or use the formula given below the table) for the estimated total or percentage, respectively.
2. Find the geographic area to which the estimate applies in the appropriate percent-in-sample table or appropriate matrix, and obtain the person or housing unit "percent-in-sample" figure for this area. Use the person "percent-in-sample" figure for person and family characteristics. Use the housing unit "percent-in-sample" figure for housing unit characteristics.
3. Use table C to obtain the design factor for the characteristic (for example, employment status, school enrollment) and the range that contains the percent-in-sample with which you are working. Multiply the basic standard error by this factor.

The unadjusted standard errors of zero estimates or of very small estimated totals or percentages will approach zero. This is also the case for very large percentages or

estimated totals that are close to the size of the tabulation areas to which they correspond. Nevertheless, these estimated totals and percentages still are subject to sampling and nonsampling variability, and an estimated standard error of zero (or a very small standard error) is not appropriate. For estimated percentages that are less than 2 or greater than 98, use the basic standard errors in table B that appear in the "2 or 98" row. For an estimated total that is less than 50 or within 50 of the total size of the tabulation area, use a basic standard error of 16.

An illustration of the use of the tables is given in the section entitled "Use of Tables to Compute Standard Errors."

Sums and Differences—The standard errors estimated from these tables are not directly applicable to sums of and differences between two sample estimates. To estimate the standard error of a sum or difference, the tables are to be used somewhat differently in the following three situations:

1. For the sum of or difference between a sample estimate and a 100-percent value, use the standard error of the sample estimate. The complete count value is not subject to sampling error.
2. For the sum of or difference between two sample estimates, the appropriate standard error is approximately the square root of the sum of the two individual standard errors squared; that is, for standard errors:

$SE_{\hat{X}}$ and $SE_{\hat{Y}}$ of estimates \hat{X} and \hat{Y} :

$$SE_{(\hat{X} + \hat{Y})} = SE_{(\hat{X} - \hat{Y})} = \sqrt{(SE_{\hat{X}})^2 + (SE_{\hat{Y}})^2}$$

This method, however, will underestimate (overestimate) the standard error if the two items in a sum are highly positively (negatively) correlated or if the two items in a difference are highly negatively (positively) correlated. This method may also be used for the difference between (or sum of) sample estimates from two censuses or from a census sample and another survey. The standard error for estimates not based on the 1990 census sample must be obtained from an appropriate source outside of this appendix.

3. For the differences between two estimates, one of which is a subclass of the other, use the tables directly where the calculated difference is the estimate of interest. For example, to determine the estimate of non-Black teachers, one may subtract the estimate of Black teachers from the estimate of total teachers. To determine the standard error of the estimate of non-Black teachers apply the above formula directly.

Ratios—Frequently, the statistic of interest is the ratio of two variables, where the numerator is not a subset of the

denominator. For example, the ratio of teachers to students in public elementary schools. The standard error of the ratio between two sample estimates is estimated as follows:

1. If the ratio is a proportion, then follow the procedure outlined for "Totals and Percentages."
2. If the ratio is not a proportion, then approximate the standard error using the formula below.

$$SE_{(\hat{X}/\hat{Y})} = \frac{\hat{X}}{\hat{Y}} \sqrt{\frac{(SE_{\hat{X}})^2}{\hat{X}^2} + \frac{(SE_{\hat{Y}})^2}{\hat{Y}^2}}$$

Medians—For the standard error of the median of a characteristic, it is necessary to examine the distribution from which the median is derived, as the size of the base and the distribution itself affect the standard error. An approximate method is given here. As the first step, compute one-half of the number on which the median is based (refer to this result as $N/2$). Treat $N/2$ as if it were an ordinary estimate and obtain its standard error as instructed above. Compute the desired confidence interval about $N/2$. Starting with the lowest value of the characteristic, cumulate the frequencies in each category of the characteristic until the sum equals or first exceeds the lower limit of the confidence interval about $N/2$. By linear interpolation, obtain a value of the characteristic corresponding to this sum. This is the lower limit of the confidence interval of the median. In a similar manner, continue cumulating frequencies until the sum equals or exceeds the count in excess of the upper limit of the interval about $N/2$. Interpolate as before to obtain the upper limit of the confidence interval for the estimated median.

When interpolation is required in the upper open-ended interval of a distribution to obtain a confidence bound, use 1.5 times the lower limit of the open-ended confidence interval as the upper limit of the open-ended interval.

Confidence Intervals

A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate. These intervals are ranges that will contain the average value of the estimated characteristic that results over all possible samples, with a known probability. For example, if all possible samples that could result under the 1990 census sample design were independently selected and surveyed under the same conditions, and if the estimate and its estimated standard error were calculated for each of these samples, then:

1. Approximately 68 percent of the intervals from one estimated standard error below the estimate to one estimated standard error above the estimate would contain the average result from all possible samples;

2. Approximately 90 percent of the intervals from 1.645 times the estimated standard error below the estimate to 1.645 times the estimated standard error above the estimate would contain the average result from all possible samples.
3. Approximately 95 percent of the intervals from two estimated standard errors below the estimate to two estimated standard errors above the estimate would contain the average result from all possible samples.

The intervals are referred to as 68 percent, 90 percent, and 95 percent confidence intervals, respectively.

The average value of the estimated characteristic that could be derived from all possible samples is or is not contained in any particular computed interval. Thus, we cannot make the statement that the average value has a certain probability of falling between the limits of the calculated confidence interval. Rather, one can say with a specified probability of confidence that the calculated confidence interval includes the average estimate from all possible samples (approximately the 100-percent value).

Confidence intervals also may be constructed for the ratio, sum of, or difference between two sample figures. This is done by first computing the ratio, sum, or difference, then obtaining the standard error of the ratio, sum, or difference (using the formulas given earlier), and finally forming a confidence interval for this estimated ratio, sum, or difference as above. One can then say with specified confidence that this interval includes the ratio, sum, or difference that would have been obtained by averaging the results from all possible samples.

The estimated standard errors given in this appendix do not include all portions of the variability due to nonsampling error that may be present in the data. The standard errors reflect the effect of simple response variance, but not the effect of correlated errors introduced by enumerators, coders, or other field or processing personnel. Thus, the standard errors calculated represent a lower bound of the total error. As a result, confidence intervals formed using these estimated standard errors may not meet the stated levels of confidence (i.e., 68, 90, or 95 percent). Thus, some care must be exercised in the interpretation of the data in this data product based on the estimated standard errors.

A standard sampling theory text should be helpful if the user needs more information about confidence intervals and nonsampling errors.

Use of Tables to Compute Standard Errors

The following is a hypothetical example of how to compute a standard error of a total and a percentage. Suppose a particular data table shows that for City A 9,948 persons out of all 15,888 persons age 16 years and over were in the civilian labor force. The percent-in-sample

table lists City A with a percent-in-sample of 16.0 percent (Persons column). The column in table C which includes 16.0 percent-in-sample shows the design factor to be 1.1 for "Employment status."

The basic standard error for the estimated total 9,948 may be obtained from table A or from the formula given below table A. In order to avoid interpolation, the use of the formula will be demonstrated here. Suppose that the total population of City A was 21,220. The formula for the basic standard error, SE, is

$$SE(9,948) = \sqrt{5(9,948) (1 - 9,948 / 21,220)}$$

$$= 163 \text{ persons.}$$

The standard error of the estimated 9,948 persons 16 years and over who were in the civilian labor force is found by multiplying the basic standard error 163 by the design factor, 1.1 from table C. This yields an estimated standard error of 179 for the total number of persons 16 years and over in City A who were in the civilian labor force.

The estimated percent of persons 16 years and over who were in the civilian labor force in City A is 62.6. From table B, the unadjusted standard error is found to be approximately 0.85 percentage points. The standard error for the estimated 62.6 percent of persons 16 years and over who were in the civilian labor force is $0.85 \times 1.1 = 0.94$ percentage points.

A note of caution concerning numerical values is necessary. Standard errors of percentages derived in this manner are approximate. Calculations can be expressed to several decimal places, but to do so would indicate more precision in the data than is justifiable. Final results should contain no more than two decimal places when the estimated standard error is one percentage point (i.e., 1.00) or more.

In the previous example, the standard error of the 9,948 persons 16 years and over in City A who were in the civilian labor force was found to be 179. Thus, a 90 percent confidence interval for this estimated total is found to be:

$$[9,948 - 1.645(179)] \text{ to } [9,948 + 1.645(179)]$$

or

$$9,654 \text{ to } 10,242$$

One can say, with about 90 percent confidence, that this interval includes the value that would have been obtained by averaging the results from all possible samples.

The following is an illustration of the calculation of standard errors and confidence intervals when a difference between two sample estimates is obtained. For example, suppose the number of persons in City B age 16 years and over who were in the civilian labor force was 9,314 and the total number of persons 16 years and over was 16,666. Further suppose the population of City B was 25,225. Thus, the estimated percentage of persons 16 years and over who were in the civilian labor force is 55.9 percent. The unadjusted standard error determined using the formula provided at the bottom of table B is 0.86

percentage points. We find that City B had a percent-in-sample of 15.7. The range which includes 15.7 percent-in-sample in table C shows the design factor to be 1.1 for "Employment Status." Thus, the approximate standard error of the percentage (55.9 percent) is $0.86 \times 1.1 = 0.95$ percentage points.

Now suppose that one wished to obtain the standard error of the difference between City A and City B of the percentages of persons who were 16 years and over and who were in the civilian labor force. The difference in the percentages of interest for the two cities is:

$$62.6 - 55.9 = 6.7 \text{ percent.}$$

Using the results of the previous example:

$$\begin{aligned} SE(6.7) &= \sqrt{(SE(62.6))^2 + (SE(55.9))^2} = \sqrt{(0.94)^2 + (0.95)^2} \\ &= 1.34 \text{ percentage points} \end{aligned}$$

The 90 percent confidence interval for the difference is formed as before:

$$\begin{aligned} [6.70 - 1.645(1.34)] \text{ to } [6.70 + 1.645(1.34)] \\ \text{or} \\ 4.50 \text{ to } 8.90 \end{aligned}$$

One can say with 90 percent confidence that the interval includes the difference that would have been obtained by averaging the results from all possible samples.

For reasonably large samples, ratio estimates are normally distributed, particularly for the census population. Therefore, if we can calculate the standard error of a ratio estimate then we can form a confidence interval around the ratio. Suppose that one wished to obtain the standard error of the ratio of the estimate of persons who were 16 years and over and who were in the civilian labor force in City A to the estimate of persons who were 16 years and over and who were in the civilian labor force in City B. The ratio of the two estimates of interest is:

$$\begin{aligned} 9948/9314 &= 1.07 \\ SE(1.07) &= \left(\frac{9948}{9314} \right) \sqrt{\frac{179^2}{(9948)^2} + \frac{188^2}{(9314)^2}} \\ &= .029 \end{aligned}$$

Using the results above, the 90 percent confidence interval for this ratio would be:

$$\begin{aligned} [1.07 - 1.645(.029)] \text{ to } [1.07 + 1.645(.029)] \\ \text{or} \\ 1.02 \text{ to } 1.12 \end{aligned}$$

ESTIMATION PROCEDURE

The estimates which appear in this publication were obtained from an iterative ratio estimation procedure (iterative proportional fitting) resulting in the assignment of a weight to each sample person or housing unit record. For

any given tabulation area, a characteristic total was estimated by summing the weights assigned to the persons or housing units possessing the characteristic in the tabulation area. Estimates of family or household characteristics were based on the weight assigned to the family member designated as householder. Each sample person or housing unit record was assigned exactly one weight to be used to produce estimates of all characteristics. For example, if the weight given to a sample person or housing unit had the value 6, all characteristics of that person or housing unit would be tabulated with the weight of 6. The estimation procedure, however, did assign weights varying from person to person or housing unit to housing unit. The estimation procedure used to assign the weights was performed in geographically defined "weighting areas." Weighting areas generally were formed of contiguous geographic units which agreed closely with census tabulation areas within counties. Weighting areas were required to have a minimum sample of 400 persons. Weighting areas never crossed State or county boundaries. In small counties with a sample count below 400 persons, the minimum required sample condition was relaxed to permit the entire county to become a weighting area.

Within a weighting area, the ratio estimation procedure for persons was performed in four stages. For persons, the first stage applied 17 household-type groups. The second stage used two groups: sampling rate of 1-in-2; sampling rate less than 1-in-2. The third stage used the dichotomy householders/nonhouseholders. The fourth stage applied 180 aggregate age-sex-race-Hispanic origin categories. The stages were as follows:

PERSONS

STAGE I: TYPE OF HOUSEHOLD

Group	Persons in Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
	Persons in Housing Units With a Family Without Own Children Under 18
6-10	2 through 8 or more persons in housing unit
	Persons in All Other Housing Units
11	1 person in housing unit
12-16	2 through 8 or more persons in housing unit
	Persons in Group Quarters
17	Persons in Group Quarters

STAGE II: SAMPLING RATES

1	Sampling rate of 1-in-2
2	Sampling rate less than 1-in-2

STAGE III: HOUSEHOLDER/NONHOUSEHOLDER

1	Householder
2	Nonhouseholder

STAGE IV: AGE/SEX/RACE/HISPANIC ORIGIN

Group	White Persons of Hispanic Origin Male
1	0 to 4 years
2	5 to 14 years
3	15 to 19 years
4	20 to 24 years
5	25 to 34 years
6	35 to 54 years
7	55 to 64 years
8	65 to 74 years
9	75 years and over
	Female
10-18	Same age categories as groups 1 through 9.
	Persons Not of Hispanic Origin
19-36	Same sex and age categories as groups 1 through 18.
	Black
37-72	Same age/sex/Hispanic origin categories as groups 1 through 36.
	Asian or Pacific Islander
73-108	Same age/sex/Hispanic origin categories as groups 1 through 36.
	American Indian, Eskimo, or Aleut
109-144	Same age/sex/Hispanic origin categories as groups 1 through 36.
	Other Race (includes those races not listed above)
145-180	Same age/sex/Hispanic origin categories as groups 1 through 36.

Within a weighting area, the first step in the estimation procedure was to assign an initial weight to each sample person record. This weight was approximately equal to the inverse of the probability of selecting a person for the census sample.

The next step in the estimation procedure, prior to iterative proportional fitting, was to combine categories in each of the four estimation stages, when needed to increase the reliability of the ratio estimation procedure. For each stage, any group that did not meet certain criteria for the unweighted sample count or for the ratio of the 100-percent to the initially weighted sample count, was combined, or collapsed, with another group in the same stage according to a specified collapsing pattern. At the fourth stage, an additional criterion concerning the number of complete count persons in each race/Hispanic origin category was applied.

As the final step, the initial weights underwent four stages of ratio adjustment applying the grouping procedures described above. At the first stage, the ratio of the complete census count to the sum of the initial weights for each sample person was computed for each stage I group. The initial weight assigned to each person in a group was then multiplied by the stage I group ratio to produce an adjusted weight.

In stage II, the stage I adjusted weights were again adjusted by the ratio of the complete census count to the sum of the stage I weights for sample persons in each stage II group. Next, at stage III, the stage II weights were adjusted by the ratio of the complete census count to the sum of the stage II weights for sample persons in each stage III group. Finally, at stage IV, the stage III weights were adjusted by the ratio of the complete census count to the sum of the stage III weights for sample persons in each stage IV group. The four stages of ratio adjustment were performed two times (two iterations) in the order given above. The weights obtained from the second iteration for stage IV were assigned to the sample person records. However, to avoid complications in rounding for tabulated data, only whole number weights were assigned. For example, if the final weight of the persons in a particular group was 7.25 then 1/4 of the sample persons in this group were randomly assigned a weight of 8, while the remaining 3/4 received a weight of 7.

The ratio estimation procedure for housing units was essentially the same as that for persons, except that vacant units were treated differently. The occupied housing unit ratio estimation procedure was done in four stages, and the vacant housing unit ratio estimation procedure was done in a single stage. The first stage for occupied housing units applied 16 household type categories, while the second stage used the two sampling categories described above for persons. The third stage applied three units-in-structure categories; i.e. single units, multi-unit less than 10 and multi-unit 10 or more. The fourth stage could potentially use 200 tenure-race-Hispanic origin-value/rent groups. The stages for ratio estimation for housing units were as follows:

OCCUPIED HOUSING UNITS

STAGE I: TYPE OF HOUSEHOLD

Group	Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
	Housing Units With a Family Without Own Children Under 18
6-10	2 through 8 or more persons in housing unit

STAGE I: TYPE OF HOUSEHOLD—Con.

	All Other Housing Units
11	1 person in housing unit
12-16	2 through 8 or more persons in housing unit

STAGE II: SAMPLING RATE CATEGORY

1	Sampling rate of 1-in-2
2	Sampling rate less than 1-in-2

STAGE III: UNITS IN STRUCTURE

1	Single unit structure
2	Multi-unit structure consisting of fewer than 10 individual units
3	Multi-unit structure consisting of 10 or more individual units

STAGE IV: TENURE/RACE AND HISPANIC ORIGIN OF HOUSEHOLDER/VALUE OR RENT

Group	Owner
	White Householder
	Householder of Hispanic Origin
	Value
1	Less than \$20,000
2	\$20,000 to \$39,999
3	\$40,000 to \$59,999
4	\$60,000 to \$79,999
5	\$80,000 to \$99,999
6	\$100,000 to \$149,999
7	\$150,000 to \$249,999
8	\$250,000 to \$299,999
9	\$300,000 or more
10	Other ¹
	Householder Not of Hispanic Origin
11-20	Same value categories as groups 1 through 10
	Black Householder
21-40	Same Hispanic origin/value categories as groups 1 through 20
	Asian or Pacific Islander Householder
41-60	Same Hispanic origin/value categories as groups 1 through 20
	American Indian, Eskimo, or Aleut Householder
61-80	Same Hispanic origin/value categories as groups 1 through 20
	Householder of Other Race
81-100	Same Hispanic origin/value categories as groups 1 through 20

Renter

White Householder
Householder of Hispanic origin
Rent
101 Less than \$100
102 \$100 to \$199
103 \$200 to \$299
104 \$300 to \$399
105 \$400 to \$499
106 \$500 to \$599
107 \$600 to \$749
108 \$750 to \$999
109 \$1,000 or more
110 No cash rent
Householder Not of Hispanic Origin
111-120 Same rent categories as groups 101 through 110
Black Householder
121-140 Same Hispanic origin/rent categories as groups 101 through 120
Asian or Pacific Islander Householder
141-160 Same Hispanic origin/rent categories as groups 101 through 120
American Indian, Eskimo, or Aleut Householder
161-180 Same Hispanic origin/rent categories as groups 101 through 120
Householder of Other Race
181-200 Same Hispanic origin/rent categories as groups 101 through 120
Vacant Housing Units
1 Vacant for rent
2 Vacant for sale
3 Other vacant

The estimates produced by this procedure realize some of the gains in sampling efficiency that would have resulted if the population had been stratified into the ratio estimation groups before sampling, and if the sampling rate had been applied independently to each group. The net effect is a reduction in both the standard error and the possible bias of most estimated characteristics to levels below what would have resulted from simply using the initial, unadjusted weight. A by-product of this estimation procedure is that the estimates from the sample will, for the most part, be consistent with the complete count figures for the population and housing unit groups used in the estimation procedure.

¹Value of units in this category results from other factors besides housing value alone, for example, inclusion of more than 10 acres of land, or presence of a business establishment on the premises.

Control of Nonsampling Error

As mentioned earlier, both sample and 100-percent data are subject to nonsampling error. This component of error could introduce serious bias into the data, and the total error could increase dramatically over that which would result purely from sampling. While it is impossible to completely eliminate nonsampling error from an operation as large and complex as the decennial census, the Bureau of the Census attempted to control the sources of such error during the collection and processing operations. Described below are the primary sources of nonsampling error and the programs instituted for control of this error. The success of these programs, however, was contingent upon how well the instructions actually were carried out during the census. As part of the 1990 census evaluation program, both the effects of these programs and the amount of error remaining after their application will be evaluated.

Undercoverage—It is possible for some households or persons to be missed entirely by the census. The undercoverage of persons and housing units can introduce biases into the data.

Several coverage improvement programs were implemented during the development of the census address list and census enumeration and processing to minimize undercoverage of the population and housing units. These programs were developed based on experience from the 1980 census and results from the 1990 census testing cycle. In developing and updating the census address list, the Census Bureau used a variety of specialized procedures in different parts of the country.

- In the large urban areas, the Census Bureau purchased and geocoded address lists. Concurrent with geocoding, the United States Postal Service (USPS) reviewed and updated this list. After the postal check, census enumerators conducted a dependent canvass and update operation. In the fall of 1989, local officials were given the opportunity to examine block counts of address listings (local review) and identify possible errors. Prior to mailout, the USPS conducted a final review.
- In small cities, suburban areas, and selected rural parts of the country, the Census Bureau created the address list through a listing operation. The USPS reviewed and updated this list, and the Census Bureau reconciled USPS corrections and updated through a field operation. In the fall of 1989, local officials participated in reviewing block counts of address listings. Prior to mailout, the USPS conducted a final review.
- The Census Bureau (rather than the USPS) conducted a listing operation in the fall of 1989 and delivered census questionnaires in selected rural and seasonal housing areas in March of 1990. In some inner-city public housing developments, whose addresses had been obtained via the purchased address list noted above, census questionnaires were also delivered by Census Bureau enumerators.

Coverage improvement programs continued during and after mailout. A recheck of units initially classified as vacant or nonexistent improved further the coverage of persons and housing units. All local officials were given the opportunity to participate in a post-census local review, and census enumerators conducted an additional recanvass. In addition, efforts were made to improve the coverage of unique population groups, such as the homeless and parolees/probationers. Computer and clerical edits and telephone and personal visit followup also contributed to improved coverage.

More extensive discussion of the programs implemented to improve coverage will be published by the Census Bureau when the evaluation of the coverage improvement program is completed.

Respondent and Enumerator Error—The person answering the questionnaire or responding to the questions posed by an enumerator could serve as a source of error, although the questions were phrased as clearly as possible based on precensus tests, and detailed instructions for completing the questionnaire were provided to each household. In addition, respondents' answers were edited for completeness and consistency, and problems were followed up as necessary.

The enumerator may misinterpret or otherwise incorrectly record information given by a respondent; may fail to collect some of the information for a person or household; or may collect data for households that were not designated as part of the sample. To control these problems, the work of enumerators was monitored carefully. Field staff were prepared for their tasks by using standardized training packages that included hands-on experience in using census materials. A sample of the households interviewed by enumerators for nonresponse were reinterviewed to control for the possibility of data for fabricated persons being submitted by enumerators. Also, the estimation procedure was designed to control for biases that would result from the collection of data from households not designated for the sample.

Processing Error—The many phases involved in processing the census data represent potential sources for the introduction of nonsampling error. The processing of the census questionnaires includes the field editing, followup, and transmittal of completed questionnaires; the manual coding of write-in responses; and the electronic data processing. The various field, coding and computer operations undergo a number of quality control checks to insure their accurate application.

Nonresponse—Nonresponse to particular questions on the census questionnaire allows for the introduction of bias into the data, since the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. As a result, any imputation procedure using respondent data may not completely

reflect this difference either at the elemental level (individual person or housing unit) or on the average. Some protection against the introduction of large biases is afforded by minimizing nonresponse. In the census, nonresponse was reduced substantially during the field operations by the various edit and followup operations aimed at obtaining a response for every question. Characteristics for the nonresponses remaining after this operation were imputed by the computer by using reported data for a person or housing unit with similar characteristics.

EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of data that describes the population as accurately and clearly as possible. To meet this objective, questionnaires were edited during field data collection operations for consistency, completeness, and acceptability. Questionnaires also were reviewed by census clerks for omissions, certain specific inconsistencies, and population coverage. For example, write-in entries such as "Don't know" or "NA" were considered unacceptable. For some district offices, the initial edit was automated; however, for the majority of the district offices, it was performed by clerks. As a result of this operation, a telephone or personal visit followup was made to obtain missing information. Potential coverage errors were included in the followup, as well as a sample of questionnaires with omissions and/or inconsistencies.

Subsequent to field operations, remaining incomplete or inconsistent information on the questionnaires was assigned

using imputation procedures during the final automated edit of the collected data. Imputations, or computer assignments of acceptable codes in place of unacceptable entries or blanks, are needed most often when an entry for a given item is lacking or when the information reported for a person or housing unit on that item is inconsistent with other information for that same person or housing unit. As in previous censuses, the general procedure for changing unacceptable entries was to assign an entry for a person or housing unit that was consistent with entries for persons or housing units with similar characteristics. The assignment of acceptable codes in place of blanks or unacceptable entries enhances the usefulness of the data.

Another way in which corrections were made during the computer editing process was through substitution; that is, the assignment of a full set of characteristics for a person or housing unit. When there was an indication that a housing unit was occupied but the questionnaire contained no information for the people within the household or the occupants were not listed on the questionnaire, a previously accepted household was selected as a substitute, and the full set of characteristics for the substitute was duplicated. The assignment of the full set of housing characteristics occurred when there was no housing information available. If the housing unit was determined to be occupied, the housing characteristics were assigned from a previously processed occupied unit. If the housing unit was vacant, the housing characteristics were assigned from a previously processed vacant unit.

Table A. Unadjusted Standard Error for Estimated Totals

[Based on a 1-in-6 simple random sample]

Estimated Total ¹	Size of publication area ²													
	500	1,000	2,500	5,000	10,000	25,000	50,000	100,000	250,000	500,000	1,000,000	5,000,000	10,000,000	25,000,000
50	16	16	16	16	16	16	16	16	16	16	16	16	16	16
100	20	21	22	22	22	22	22	22	22	22	22	22	22	22
250	25	30	35	35	35	35	35	35	35	35	35	35	35	35
500	-	35	45	45	50	50	50	50	50	50	50	50	50	50
1,000	-	-	55	65	65	70	70	70	70	70	70	70	70	70
2,500	-	-	-	80	95	110	110	110	110	110	110	110	110	110
5,000	-	-	-	-	110	140	150	150	160	160	160	160	160	160
10,000	-	-	-	-	-	170	200	210	220	220	220	220	220	220
15,000	-	-	-	-	-	170	230	250	270	270	270	270	270	270
25,000	-	-	-	-	-	-	250	310	340	350	350	350	350	350
75,000	-	-	-	-	-	-	-	310	510	570	590	610	610	610
100,000	-	-	-	-	-	-	-	-	550	630	670	700	700	710
250,000	-	-	-	-	-	-	-	-	-	790	970	1 090	1 100	1 100
500,000	-	-	-	-	-	-	-	-	-	-	1 120	1 500	1 540	1 570
1,000,000	-	-	-	-	-	-	-	-	-	-	-	2 000	2 120	2 190
5,000,000	-	-	-	-	-	-	-	-	-	-	-	-	3 540	4 470
10,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	5 480

¹For estimated totals larger than 10,000,000, the standard error is somewhat larger than the table values. The formula given below should be used to calculate the standard error.

$$SE(\hat{Y}) = \sqrt{5\hat{Y}\left(1 - \frac{\hat{Y}}{N}\right)}$$

N = Size of area

\hat{Y} = Estimate of characteristic total

²The total count of persons in the area if the estimated total is a person characteristic, or the total count of housing units in the area if the estimated total is a housing unit characteristic.

Table B. Unadjusted Standard Error in Percentage Points for Estimated Percentage

[Based on a 1-in-6 simple random sample]

Estimated Percentage	Base of percentage ¹												
	500	750	1,000	1,500	2,500	5,000	7,500	10,000	25,000	50,000	100,000	250,000	500,000
2 or 98	1.4	1.1	1.0	0.8	0.6	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1
5 or 95	2.2	1.8	1.5	1.3	1.0	0.7	0.6	0.5	0.3	0.2	0.2	0.1	0.1
10 or 90	3.0	2.4	2.1	1.7	1.3	0.9	0.8	0.7	0.4	0.3	0.2	0.1	0.1
15 or 85	3.6	2.9	2.5	2.1	1.6	1.1	0.9	0.8	0.5	0.4	0.3	0.2	0.1
20 or 80	4.0	3.3	2.8	2.3	1.8	1.3	1.0	0.9	0.6	0.4	0.3	0.2	0.1
25 or 75	4.3	3.5	3.1	2.5	1.9	1.4	1.1	1.0	0.6	0.4	0.3	0.2	0.1
30 or 70	4.6	3.7	3.2	2.6	2.0	1.4	1.2	1.0	0.6	0.5	0.3	0.2	0.1
35 or 65	4.8	3.9	3.4	2.8	2.1	1.5	1.2	1.1	0.7	0.5	0.3	0.2	0.2
50	5.0	4.1	3.5	2.9	2.2	1.6	1.3	1.1	0.7	0.5	0.4	0.2	0.2

¹For a percentage and/or base of percentage not shown in the table, the formula given below may be used to calculate the standard error. This table should only be used for proportions, that is, where the numerator is a subset of the denominator.

$$SE(\hat{p}) = \sqrt{\frac{5}{B}\hat{p}(100 - \hat{p})}$$

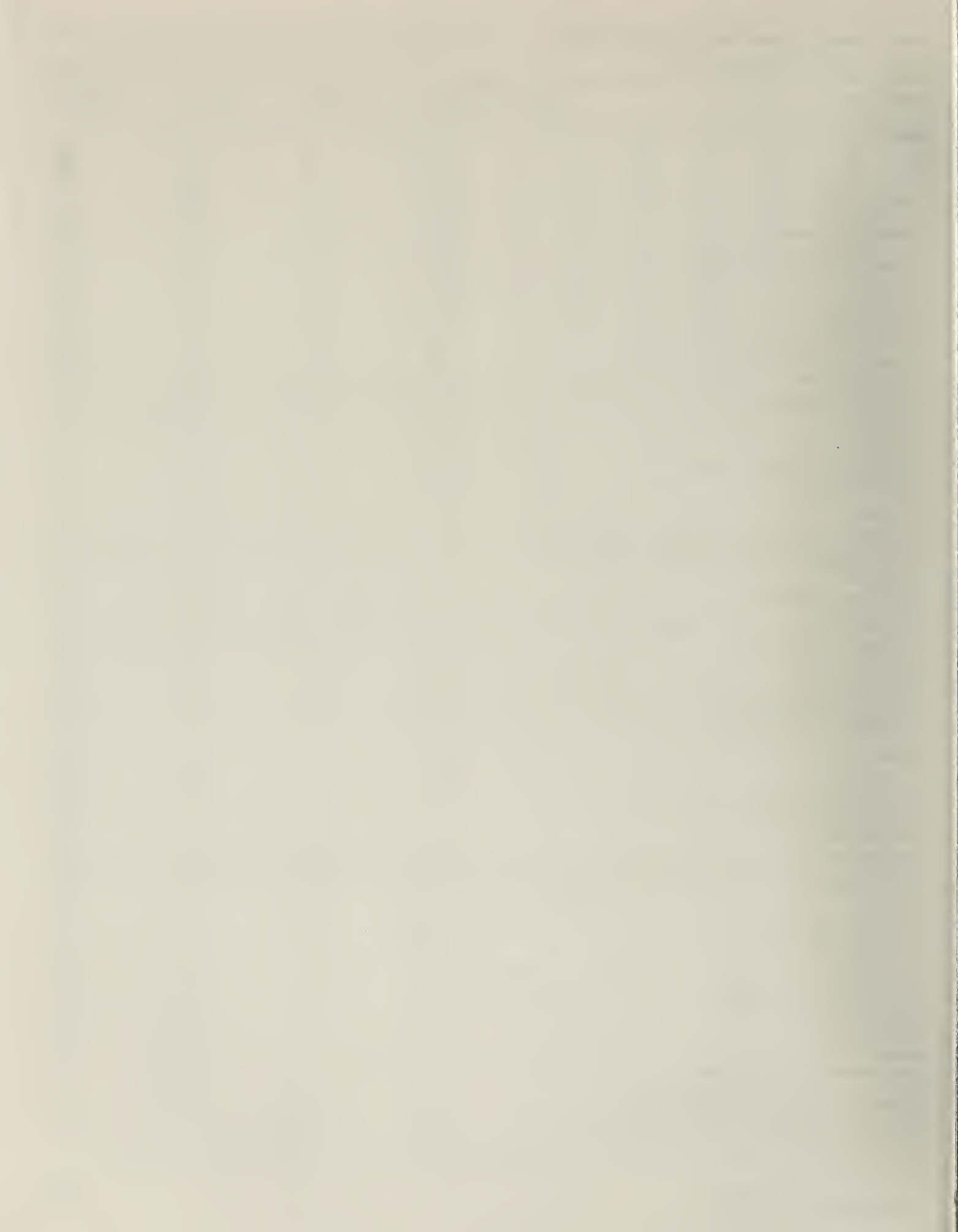
B = Base of estimated percentage

\hat{p} = Estimated percentage

Table C. Standard Error Design Factors—Alaska

[Percent of persons or housing units in sample]

Characteristic	Less than 15 percent	15 to 30 percent	30 to 45 percent	45 percent or more
POPULATION				
Age.....	1.2	1.0	0.6	0.5
Sex.....	1.2	1.0	0.6	0.5
Race.....	1.2	1.0	0.6	0.5
Hispanic origin (of any race).....	1.2	1.0	0.6	0.5
Marital status.....	1.1	0.9	0.6	0.5
Household type and relationship.....	1.3	1.1	0.7	0.6
Children ever born.....	2.4	2.0	1.4	1.4
Work disability and mobility limitation status.....	1.2	1.0	0.6	0.5
Ancestry.....	2.0	1.8	1.2	1.2
Place of birth.....	1.6	1.5	1.0	0.9
Citizenship.....	1.7	1.5	1.0	0.8
Residence in 1985.....	2.0	1.8	1.1	1.0
Year of entry.....	1.4	1.1	0.7	0.5
Language spoken at home and ability to speak English.....	1.6	1.4	0.8	0.6
Educational attainment.....	1.3	1.1	0.7	0.5
School enrollment.....	1.7	1.4	0.9	0.7
Type of residence (urban/rural).....	2.4	2.4	1.2	1.2
Household type.....	1.3	1.1	0.7	0.6
Family type.....	1.2	1.0	0.6	0.5
Group quarters.....	1.0	1.0	0.8	0.8
Subfamily type and presence of children.....	1.1	1.0	0.5	0.5
Employment status.....	1.2	1.0	0.6	0.5
Industry.....	1.3	1.1	0.6	0.5
Occupation.....	1.2	1.0	0.6	0.5
Class of worker.....	1.3	1.2	0.7	0.5
Hours per week and weeks worked in 1989.....	1.2	1.0	0.6	0.5
Number of workers in family.....	1.4	1.2	0.7	0.5
Place of work.....	1.5	1.2	0.8	0.5
Means of transportation to work.....	1.4	1.2	0.7	0.5
Travel time to work.....	1.3	1.1	0.7	0.5
Private vehicle occupancy.....	1.4	1.2	0.7	0.6
Time leaving home to go to work.....	1.3	1.1	0.7	0.5
Type of income in 1989.....	1.4	1.2	0.6	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Family income in 1989.....	1.2	1.0	0.6	0.5
Poverty status in 1989 (persons).....	1.6	1.4	0.8	0.7
Poverty status in 1989 (families).....	1.2	1.0	0.6	0.5
Armed Forces and veteran status.....	1.3	1.1	0.7	0.6
HOUSING				
Age of householder.....	1.2	1.0	0.6	0.5
Race of householder.....	1.2	1.0	0.6	0.5
Hispanic origin of householder.....	1.2	1.0	0.6	0.5
Type of residence (urban/rural).....	1.0	0.9	0.5	0.5
Condominium status.....	1.2	1.0	0.5	0.5
Units in structure.....	1.1	1.0	0.6	0.5
Tenure.....	1.2	1.0	0.6	0.5
Occupancy status.....	1.2	1.0	0.6	0.5
Value.....	1.2	1.0	0.6	0.5
Gross rent.....	1.2	1.0	0.5	0.5
Household income in 1989.....	1.2	1.0	0.6	0.5
Year structure built.....	1.2	1.0	0.5	0.5
Rooms, bedrooms.....	1.2	1.0	0.5	0.5
Kitchen facilities.....	1.3	1.0	0.5	0.5
Source of water, plumbing facilities.....	1.3	1.1	0.5	0.5
Sewage disposal.....	1.1	1.0	0.5	0.4
House heating fuel.....	1.3	1.1	0.6	0.5
Telephone in housing unit.....	1.3	1.1	0.6	0.5
Vehicles available.....	1.3	1.1	0.6	0.5
Year householder moved into structure.....	1.2	1.0	0.6	0.5
Mortgage status and monthly mortgage costs.....	1.1	1.0	0.6	0.5
Mortgage status and selected monthly owner costs.....	1.1	1.0	0.6	0.5
Gross rent as a percentage of household income in 1989.....	1.2	1.0	0.6	0.5
Household income in 1989 by selected monthly owner costs as a percentage of income.....	1.1	1.0	0.6	0.5



APPENDIX D.

Collection and Processing Procedures

CONTENTS

Data Collection Procedures	D-2
Enumeration and Residence Rules	D-1
Processing Procedures	D-4

ENUMERATION AND RESIDENCE RULES

In accordance with census practice dating back to the first United States census in 1790, each person was to be enumerated as an inhabitant of his or her "usual residence" in the 1990 census. Usual residence is the place where the person lives and sleeps most of the time or considers to be his or her usual residence. This place is not necessarily the same as the person's legal residence or voting residence. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics, although there might be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishment of rules for certain categories of persons whose usual place of residence is not immediately apparent. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be staying on Census Day (April 1, 1990).

Enumeration Rules

Each person whose usual residence was in the United States was to be included in the census, without regard to the person's legal status or citizenship. In a departure from earlier censuses, foreign diplomatic personnel participated voluntarily in the census, regardless of their residence on or off the premises of an embassy. As in previous censuses, persons in the United States specifically excluded from the census were foreign travelers who had not established a residence.

Americans with a usual residence outside the United States were not enumerated in the 1990 census. United States military and Federal civilian employees, and their dependents overseas, are included in the population counts for States for purposes of Congressional apportionment, but are excluded from all other tabulations for States and their subdivisions. The counts of United States military and Federal civilian employees, and their dependents, were obtained from administrative records maintained by Federal departments and agencies. Other Americans living overseas, such as employees of international agencies

and private businesses and students, were not enumerated, nor were their counts obtained from administrative sources. On the other hand, Americans temporarily overseas were to be enumerated at their usual residence in the United States.

Residence Rules

Each person included in the census was to be counted at his or her usual residence—the place where he or she lives and sleeps most of the time or the place where the person considers to be his or her usual home. If a person had no usual residence, the person was to be counted where he or she was staying on April 1, 1990.

Persons temporarily away from their usual residence, whether in the United States or overseas, on a vacation or on a business trip, were counted at their usual residence. Persons who occupied more than one residence during the year were counted at the one they considered to be their usual residence. Persons who moved on or near Census Day were counted at the place they considered to be their usual residence.

Persons in the Armed Forces—Members of the Armed Forces were counted as residents of the area in which the installation was located, either on the installation or in the surrounding community. Family members of Armed Forces personnel were counted where they were living on Census Day (for example, with the Armed Forces person or at another location).

Each Navy ship not deployed to the 6th or 7th Fleet was attributed to the municipality that the Department of the Navy designated as its homeport. If the homeport included more than one municipality, ships berthed there on Census Day were assigned by the Bureau of the Census to the municipality in which the land immediately adjacent to the dock or pier was actually located. Ships attributed to the homeport, but not physically present and not deployed to the 6th or 7th Fleet, were assigned to the municipality named on the Department of the Navy's homeport list. These rules also apply to Coast Guard vessels.

Personnel assigned to each Navy and Coast Guard ship were given the opportunity to report a residence off the ship. Those who did report an off-ship residence in the communities surrounding the homeport were counted there; those who did not were counted as residents of the ship. Personnel on Navy ships deployed to the 6th or 7th Fleet on Census Day were considered to be part of the overseas population.

Persons on Maritime Ships—Persons aboard maritime ships who reported an off-ship residence were counted at that residence. Those who did not were counted as residents of the ship, and were attributed as follows:

1. The port where the ship was docked on Census Day, if that port was in the United States or its territories.
2. The port of departure if the ship was at sea, provided the port was in the United States or its territories.
3. The port of destination in the United States or its territories, if the port of departure of a ship at sea was a foreign port.
4. The overseas population if the ship was docked at a foreign port or at sea between foreign ports. (These persons were not included in the overseas population for apportionment purposes.)

Persons Away at School—College students were counted as residents of the area in which they were living while attending college, as they have been since the 1950 census. Children in boarding schools below the college level were counted at their parental home.

Persons in Institutions—Persons under formally authorized, supervised care or custody, such as in Federal or State prisons; local jails; Federal detention centers; juvenile institutions; nursing, convalescent, and rest homes for the aged and dependent; or homes, schools, hospitals, or wards for the physically handicapped, mentally retarded, or mentally ill, were counted at these places.

Persons Away From Their Usual Residence on Census Day—Migrant agricultural workers who did not report a usual residence elsewhere were counted as residents of the place where they were on Census Day. Persons in worker camps who did not report a usual residence elsewhere were counted as residents of the camp where they were on Census Day.

In some parts of the country, natural disasters displaced significant numbers of households from their usual place of residence. If these persons reported a destroyed or damaged residence as their usual residence, they were counted at that location.

Persons away from their usual residence were counted by means of interviews with other members of their families, resident managers, or neighbors.

DATA COLLECTION PROCEDURES

The 1990 census was conducted primarily through self-enumeration. The questionnaire packet included general information about the 1990 census and an instruction guide explaining how to complete the questionnaire. Spanish-language questionnaires and instruction guides were available on request. Instruction guides also were available in 32 other languages.

Enumeration of Housing Units

Each housing unit in the country received one of two versions of the census questionnaire:

1. A short-form questionnaire that contained a limited number of basic population and housing questions; these questions were asked of all persons and housing units and are often referred to as 100-percent questions.
2. A long-form questionnaire that contained the 100-percent items and a number of additional questions; a sampling procedure was used to determine those housing units that were to receive the long-form questionnaire.

Three sampling rates were employed. For slightly more than one-half of the country, one in every six housing units (about 17 percent) received the long-form or sample questionnaire. In functioning local governmental units (counties and incorporated places, and in some parts of the country, towns and townships) estimated to have fewer than 2,500 inhabitants, every other housing unit (50 percent) received the sample questionnaire in order to enhance the reliability of the sample data for these small areas. For census tracts and block numbering areas having more than 2,000 housing units in the Census Bureau's address files, one in every eight housing units (about 13 percent) received a sample questionnaire, providing reliable statistics for these areas while permitting the Census Bureau to stay within a limit of 17.7 million sample questionnaires, or a one-in-six sample, nationwide.

The mail-out/mail-back procedure was used mainly in cities, suburban areas, towns, and rural areas where mailing addresses consisted of a house number and street name. In these areas, the Census Bureau developed mailing lists that included about 88.4 million addresses. The questionnaires were delivered through the mail and respondents were to return them by mail. Census questionnaires were delivered 1 week before Census Day (April 1, 1990).

The update/leave/mail-back method was used mainly in densely populated rural areas where it was difficult to develop mailing lists because mailing addresses did *not* use house number and street name. The Census Bureau compiled lists of housing units in advance of the census. Enumerators delivered the questionnaires, asked respondents to return them by mail, and added housing units not on the mailing lists. This method was used mainly in the South and Midwest, and also included some high-rise, low-income urban areas. A variation of this method was used in urban areas having large numbers of boarded-up buildings. About 11 million housing units were enumerated using this method.

The list/enumerate method (formerly called conventional or door-to-door enumeration) was used mainly in very remote and sparsely-settled areas. The United States

Postal Service delivered unaddressed short-form questionnaires before Census Day. Starting a week before Census Day, enumerators canvassed these areas, checked that all housing units received a questionnaire, created a list of all housing units, completed long-form questionnaires, and picked up the completed short-form questionnaires. This method was used mainly in the West and Northeast to enumerate an estimated 6.5 million housing units.

Followup

Nonresponse Followup—In areas where respondents were to mail back their questionnaires, an enumerator visited each address from which a questionnaire was not received.

Coverage and Edit-Failure Followup—In the mail-back areas, some households returned a questionnaire that did not meet specific quality standards because of incomplete or inconsistent information, or the respondent had indicated difficulty in deciding who was to be listed on the questionnaire. These households were contacted by telephone or by personal visit to obtain the missing information or to clarify who was to be enumerated in the household. In areas where an enumerator picked up the questionnaires, the enumerator checked the respondent-filled questionnaire for completeness and consistency.

Special Enumeration Procedures

Special procedures and questionnaires were used for the enumeration of persons in group quarters, such as college dormitories, nursing homes, prisons, military barracks, and ships. The questionnaires (Individual Census Reports, Military Census Reports, and Shipboard Census Reports) included the 100-percent population questions but did not include any housing questions. In all group quarters, all persons were asked the basic population questions; in most group quarters, additional questions were asked of a sample (one-in-six) of persons.

Shelter and Street Night (S-Night)

The Census Bureau collected data for various components of the homeless population at different stages in the 1990 census. "Shelter and Street Night" (S-Night) was a special census operation to count the population in four types of locations where homeless people are found. On the evening of March 20, 1990, and during the early morning hours of March 21, 1990, enumerators counted persons in pre-identified locations:

1. Emergency shelters for the homeless population (public and private; permanent and temporary).
2. Shelters with temporary lodging for runaway youths.
3. Shelters for abused women and their children.

4. Open locations in streets or other places not intended for habitation.

Emergency shelters include all hotels and motels costing \$12 or less (excluding taxes) per night regardless of whether persons living there considered themselves to be homeless, hotels and motels (regardless of cost) used entirely to shelter homeless persons, and pre-identified rooms in hotels and motels used for homeless persons and families. Enumeration in shelters usually occurred from 6 p.m. to midnight; street enumeration, from 2 a.m. to 4 a.m.; abandoned and boarded-up buildings from 4 a.m. to 8 a.m.; and shelters for abused women, from 6 p.m. on March 20 to noon on March 21.

Other components, which some consider as part of the homeless population, were enumerated as part of regular census operations. These include persons doubled up with other families, as well as persons with no other usual home living in transient sites, such as commercial campgrounds, maternity homes for unwed mothers, and drug/alcohol abuse detoxification centers. In institutions, such as local jails and mental hospitals, the Census Bureau does not know who has a usual home elsewhere; therefore, even though some are literally homeless, these persons cannot be identified separately as a component of the homeless population.

There is no generally agreed-upon definition of "the homeless," and there are limitations in the census count that prevent obtaining a total count of the homeless population under any definition. As such, the Census Bureau does not have a definition and will not provide a total count of "the homeless." Rather, the Census Bureau will provide counts and characteristics of persons found at the time of the census in *selected* types of living arrangements. These selected components can be used as building blocks to construct a count of homeless persons appropriate to particular purposes as long as the data limitations are taken into account.

In preparation for "Shelter-and-Street-Night" enumeration, the regional census centers (RCC's) mailed a certified letter (Form D-33 (L)) to the highest elected official of each active functioning government of the United States (more than 39,000) requesting them to identify:

1. All shelters with sleeping facilities (permanent and temporary, such as church basements, armories, public buildings, and so forth, that could be open on March 20).
2. Hotels and motels used to house homeless persons and families.
3. A list of outdoor locations where homeless persons tend to be at night.
4. Places such as bus or train stations, subway stations, airports, hospital emergency rooms, and so forth, where homeless persons seek shelter at night.

5. The specific addresses of abandoned or boarded-up buildings where homeless persons were thought to stay at night.

The letter from the RCC's to the governmental units emphasized the importance of listing night-time congregating sites. The list of shelters was expanded using information from administrative records and informed local sources. The street sites were limited to the list provided by the jurisdictions. All governmental units were eligible for "Shelter and Street Night." For cities with 50,000 or more persons, the Census Bureau took additional steps to update the list of shelter and street locations if the local jurisdiction did not respond to the certified letter. Smaller cities and rural areas participated if the local jurisdiction provided the Census Bureau a list of shelters or open public places to visit or if shelters were identified through our inventory development, local knowledge update, or during the Special Place Prelist operation.

The Census Bureau encouraged persons familiar with homeless persons and the homeless themselves to apply as enumerators. This recruiting effort was particularly successful in larger cities.

For shelters, both long- and short-form Individual Census Reports (ICR's) were distributed. For street enumeration, only short-form ICR's were used. Persons in shelters and at street locations were asked the basic population questions. Additional questions about social and economic characteristics were asked of a sample of persons in shelters only.

Enumerators were instructed *not* to ask who was homeless; rather, they were told to count all persons (including children) staying overnight at the shelters, and everyone they saw on the street except the police, other persons in uniform, and persons engaged in employment or obvious money-making activities other than begging and panhandling.

At both shelter and street sites, persons found sleeping were not awakened to answer questions. Rather, the enumerator answered the sex and race questions by observation and estimated the person's age to the best of his or her ability. In shelters, administrative records and information from the shelter operator were used, when available, for persons who were already asleep.

Less than 1 percent of shelters refused to participate in the census count at first. By the end of the census period, most of those eventually cooperated and the number of refusals had been reduced to a few. For the final refusals, head counts and population characteristics were obtained by enumerators standing outside such shelters and counting people as they left in the morning.

The "street" count was restricted to persons who were visible when the enumerator came to the open, public locations that had been identified by local jurisdictions. Homeless persons who were well hidden, moving about, or in locations other than those identified by the local governments were likely missed. The number missed will never be known and there is no basis to make an estimate

of the number missed from census data. The count of persons in open, public places was affected by many factors, including the extra efforts made to encourage people to go to shelters for "Shelter and Street Night," the weather (which was unusually cold in many parts of the country), the presence of the media, and distrust of the census. Expectations of the number of homeless persons on the street cannot be based on the number seen during the day because the night-time situation is normally very different as more homeless persons are in shelters or very well hidden.

For both "Shelter-and-Street-Night" locations, the Census Bureau assumed that the usual home of those enumerated was in the block where they were found (shelter or street).

The "Shelter-and-Street-Night" operation replaced and expanded the 1980 Mission Night (M-Night) and Casual Count operations. These two operations were aimed at counting the population who reported having no usual residence. M-Night was conducted a week after Census Day, in April 1980. Enumerators visited hotels, motels, and similar places costing \$4 or less each night; missions, flophouses, local jails and similar places at which the average length of stay was 30 days or less; and nonshelter locations, such as bus depots, train stations, and all night movie theaters. Questions were asked of everyone, regardless of age. Enumerators conducted M-Night up to midnight on April 8, 1980, and returned the next morning to collect any forms completed after midnight.

The Casual Count operation was conducted in May 1980 at additional nonshelter locations, such as street corners, pool halls, welfare and employment offices. This operation lasted for approximately 2 weeks. Casual Count was conducted during the day only in selected large central cities. Only persons who appeared to be at least 15 years of age were asked if they had been previously enumerated. Casual Count was actually a coverage-improvement operation. It was not specifically an operation to count homeless persons living in the streets. Persons were excluded if they said they had a usual home outside the city because it was not cost effective to check through individual questionnaires in another city to try to find the person.

PROCESSING PROCEDURES

Respondents returned many census questionnaires by mail to 1 of over 344 census district offices or to one of six processing offices. In these offices, the questionnaires were "checked in" and edited for completeness and consistency of the responses. After this initial processing had been performed, all questionnaires were sent to the processing offices.

In the processing offices, the household questionnaires were microfilmed and processed by the Film Optical Sensing Device for Input to Computers (FOSDIC). For most items on the questionnaire, the information supplied

by the respondent was indicated by filling circles in pre-designated positions. FOSDIC electronically "read" these filled circles from the microfilm copy of the questionnaire and transferred the information to computer tape. The computer tape did not include individual names, addresses, or handwritten responses.

The data processing was performed in several stages. All questionnaires were microfilmed, "read" by FOSDIC, and transferred to computer disk. Selected written entries in the race question on both the short and long forms were keyed from the microfilm and coded using the data base developed from the 1980 census and subsequent content and operational tests. Keying of other written entries on the long forms occurred in the seven processing offices.

The information (for example, income dollar amounts or homeowner shelter costs) on these keyed files was merged with the FOSDIC data or processed further through one of three automated coding programs. The codes for industry, occupation, place-of-birth, migration, place-of-work, ancestry, language, relationship, race, and Hispanic origin were merged with the FOSDIC data for editing, weighting, and tabulating operations at Census Bureau headquarters. All responses to the questions on Individual Census Reports (ICR's), Military Census Reports (MCR's), and Shipboard Census Reports (SCR's) were keyed, not processed by microfilm or FOSDIC.



APPENDIX E.

Facsimiles of Respondent Instructions and Questionnaire Pages

Your Guide for the

1990 U.S. Census Form

This guide gives helpful information on filling out your census form. If you need more help, call the local U.S. census office. **The telephone number is on the cover of the questionnaire.** After you have filled out your form, please return it in the **envelope** we have provided.

On the inside	Page
How to fill out your census form	2
Example	2
Your answers are confidential	2
Instructions for the census questions	3-11
What the census is about	12
Why the census asks certain questions	12

CENSUS '90



U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

D-4

How to Fill Out Your Census Form

Please use a black lead pencil only. Black lead pencil is better to use than ballpoint or other pens. Most questions ask you to fill in the circle, or to print the information. See **Example** below.

Make sure you print answers for everyone in this household. If someone in the household, such as a roomer or boarder, does not want to give you all the information for the form, print at least the person's name and answer questions 2 and 3. A census taker will call to get the other information directly from the person.

There may be a question you cannot answer exactly. For example, you might not know the age of an elderly person or the price for which your house would sell. Ask someone else in your household; if no one knows, give your best estimate.

Instructions for individual questions begin on page 3 of this guide. They will help you to understand the questions and answer them correctly.

If you have a question about filling out the census form or need assistance, call the local U.S. census office. The telephone number is given on the cover of the questionnaire.

If you do not mail back your census form, a census taker will be sent out to assist you. But it saves time and your taxpayer dollars if you fill out the form yourself and mail it back.

Example

a. Age	b. Year of birth	a. Age	b. Year of birth
<input type="radio"/> 00 <input type="radio"/> 00 <input type="radio"/> 00	<input type="radio"/> 18 <input type="radio"/> 00 <input type="radio"/> 00 <input type="radio"/> 00	<input type="radio"/> 00 <input type="radio"/> 00 <input type="radio"/> 00	<input type="radio"/> 18 <input type="radio"/> 00 <input type="radio"/> 00 <input type="radio"/> 00
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<input type="radio"/> 80 <input type="radio"/> 80	<input type="radio"/> 80 <input type="radio"/> 80	<input type="radio"/> 80 <input type="radio"/> 80	<input type="radio"/> 80 <input type="radio"/> 80
<input type="radio"/> 90 <input type="radio"/> 90	<input type="radio"/> 90 <input type="radio"/> 90	<input type="radio"/> 90 <input type="radio"/> 90	<input type="radio"/> 90 <input type="radio"/> 90

Your Answers Are Confidential

The law authorizing the census (Title 13, U.S. Code) also provides that your answers are confidential. No one except census workers may see your completed form and they can be fined and/or imprisoned for any disclosure of your answers. Only after 72 years can your individual census form become available to other government agencies (whether federal, state, county, or local). Until then, no other person or business can see your individual report.

The same law that protects the confidentiality of your answers requires that you provide the information asked in this census to the best of your knowledge.

Information collected from the decennial census is used for a variety of statistical purposes. Census information is used to find out where funding is most needed for schools, health centers, highways, and other services. Census results are used by members of public and private groups—including community organizations—and by businesses and industries, as well as by agencies at all levels of government.

Instructions for Questions 1a through 7

1a. List everyone who lives at this address in question 1a. If you are not sure if you should list a person, see the rules on page 1 of the census form. If you are still not sure, answer as best you can and fill in "Yes" for question H1a or H1b, as appropriate.

If there are more than seven people in your household, please list all the persons in question 1a, complete the form for seven people, and mail it back in the enclosed envelope. A census taker will call to obtain the information for the additional persons.

b. If everyone listed in question 1a usually lives at another address(es), print the address(es) in 1b.

2. Fill one circle to show how each person is related to the person in column 1.

If **Other relative** of the person in column 1, print the exact relationship such as son-in-law, daughter-in-law, grandparent, nephew, niece, mother-in-law, father-in-law, cousin, and so on.

If the **Stepson/stepdaughter** of the person in column 1 also has been legally adopted by the person in column 1, mark **Stepson/stepdaughter** but do not mark **Natural-born or adopted son/daughter**. In other words, **Stepson/stepdaughter** takes precedence over **Adopted son/daughter**.

4. Fill ONE circle for the race each person considers himself/herself to be.

If you fill the **Indian (Amer.)** circle, print the name of the tribe or tribes in which the person is enrolled. If the person is not enrolled in a tribe, print the name of the principal tribe(s).

If you fill the **Other API** circle (under **Asian or Pacific Islander (API)**), only print the name of the group to which the person belongs. For example, the **Other API** category includes persons who identify as Burmese, Fijian, Hmong, Indonesian, Laotian, Bangladeshi, Pakistani, Tongan, Thai, Cambodian, Sri Lankan, and so on.

If you fill the **Other race** circle, be sure to print the name of the race.

If the person considers himself/herself to be **White, Black or Negro, Eskimo or Aleut**, fill one circle only. Please do not print the race in the boxes.

The **Black or Negro** category also includes persons who identify as African-American, Afro-American, Haitian, Jamaican, West Indian, Nigerian, and so on.

All persons, regardless of citizenship status, should answer this question.

5. Print age at last birthday in the space provided (print "00" for babies less than 1 year old). Fill in the matching circle below each box. Also, print year of birth in the space provided. Then fill in the matching circle below each box. For an illustration of how to complete question 5, see the **Example** on page 2 of this guide.

6. If the person's only marriage was annulled, mark **Never married**.

7. A person is of Spanish/Hispanic origin if the person's origin (ancestry) is Mexican, Mexican-Am., Chicano, Puerto Rican, Cuban, Argentinean, Colombian, Costa Rican, Dominican, Ecuadoran, Guatemalan, Honduran, Nicaraguan, Peruvian, Salvadoran, from other Spanish-speaking countries of the Caribbean or Central or South America, or from Spain.

If you fill the **Yes, other Spanish/Hispanic** circle, print one group.

A person who is not of Spanish/Hispanic origin should answer this question by filling the **No (not Spanish/Hispanic)** circle. Note that the term "**Mexican-Am.**" refers only to persons of Mexican origin or ancestry.

All persons, regardless of citizenship status, should answer this question.

Instructions for Question H1a through H1b

H1a. Refer to the list of persons you entered in question 1a on page 1. If you left anyone out of your list because you were not sure if the person(s) should be listed, answer question H1a as **Yes**. Then enter the name(s) and reason(s) why you did not list the person(s) on the lines provided. Otherwise, answer question H1a as **No**.

b. If you included anyone on your list even though you were not sure that you should list the person(s), answer question H1b as **Yes**. Then enter the name(s) and reason(s) why you listed the person(s) on the lines provided. Otherwise, answer question H1b as **No**.

Instructions for Questions H2 through H7b

H2. Fill only one circle.

Count all occupied and vacant apartments in the house or building. Do not count stores or office space.

Detached means there is open space on all sides, or the house is joined only to a shed or garage. *Attached* means that the house is joined to another house or building by at least one wall that goes from ground to roof. An example of **A one-family house attached to one or more houses** is a house in a row of houses attached to one another.

A mobile home or trailer that has had one or more rooms added or built onto it should be counted as a *one-family detached house*; a porch or shed is not considered a room.

H3. Count only whole rooms in your house, apartment, or mobile home used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do not count bathrooms, kitchenettes, strip or pullman kitchens, utility rooms, foyers, halls, half-rooms, porches, balconies, unfinished attics, unfinished basements, or other unfinished space used for storage.

H4. Housing is owned if the owner or co-owner lives in it. Mark **Owned by you or someone in this household with a mortgage or loan** if the house, apartment, or mobile home is mortgaged or there is a contract to purchase. Mark **Owned by you or someone in this household free and clear (without a mortgage)** if there is no mortgage or other debt. If the house, apartment, or mobile home is owned but the land is rented, mark this question to show the status of the house, apartment, or mobile home.

Mark **Rented for cash rent** if any money rent is paid, even if the rent is paid by persons who are not members of your household, or by a federal, state, or local government agency.

Mark **Occupied without payment of cash rent** if the unit is **not** owned or being bought by the occupants and if money rent is **not** paid or contracted. The unit may be owned by friends or relatives who live elsewhere and who allow occupancy without charge. A house or apartment may be provided as part of wages or salary. Examples are: caretaker's or janitor's house or apartment; parsonages; tenant farmer or sharecropper houses for which the occupants do not pay cash rent; or military housing.

H5a. Answer H5a and H5b if you live in a one-family house or a mobile home; include only land that you own or rent.

b. A business is easily recognized from the outside; for example, a grocery store or barber shop. A medical office is a doctor's or dentist's office regularly visited by patients.

H6. If this is a house, include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the land. If this is a condominium unit, estimate the value for your house or apartment including your share of the common elements. If this is a mobile home, include the value of the mobile home and the value of the land. If you rent the land, estimate the value of the rented land and add it to the value of the mobile home.

H7a. Report the rent agreed to or contracted for, even if the rent for your house, apartment, or mobile home is unpaid or paid by someone else.

If rent is paid:	Multiply rent by:	If rent is paid:	Divide rent by:
By the day	30	4 times a year	3
By the week	4	2 times a year	6
Every other week	2	Once a year	12

b. Answer **Yes** if meals are included in the monthly rent payment, or you must contract for meals or a meal plan in order to live in this building.

Instructions for Questions H8 through H19b

H8. The person listed in column 1 refers to the person listed in the first column on page 2. This person should be the household member (or one of the members) in whose name the house, apartment, or mobile home is owned, being bought, or rented. If there is no such person, any adult household member can be the person in column 1. Mark when this person last moved into this house, apartment, or mobile home.

H9. Include all rooms intended to be used as bedrooms in this house, apartment, or mobile home, even if they are currently being used for other purposes.

H10. Mark **Yes, have all three facilities** if you have all the facilities mentioned; all facilities must be in your house, apartment, or mobile home, but not necessarily in the same room. Consider that you have hot water even if you have it only part of the time. Mark **No** if any of the three facilities is not present.

H11. The kitchen sink, stove, and refrigerator must be located in the building but do not have to be in the same room. Portable cooking equipment is not considered as a range or cookstove.

H12. Answer **Yes** only if the telephone is located in your house, apartment, or mobile home.

H13. Count company cars (including police cars and taxicabs) and company trucks of one-ton capacity or less that are regularly kept at home and used by household members for nonbusiness purposes. Do **not** count cars or trucks permanently out of working order.

H14. Fill the circle for the fuel used most to heat your house, apartment, or mobile home. In buildings containing more than one apartment you may obtain this information from the owner, manager, or janitor.

Solar energy is provided by a system that collects, stores, and distributes heat from the sun. **Other fuel** includes any fuel not separately listed; for example, purchased steam, fuel briquettes, waste material, etc.

H15. If a well provides water for five or more houses, apartments, or mobile homes, mark **A public system**. If a well provides water for four or fewer houses, apartments, or mobile homes, fill one of the circles for **Individual well**.

Drilled wells, or small diameter wells, are usually less than 1½ feet in diameter. **Dug wells** are generally hand dug and are larger than 1½ feet wide.

H16. A **public sewer** may be operated by a government body or private organization. A **septic tank** or **cesspool** is an underground tank or pit used for disposal of sewage.

H17. Fill the circle corresponding to the period in which the original construction was completed, not the time of any later remodeling, additions, or conversions. In buildings containing more than one apartment, the owner, manager, or janitor may be of help in determining when the building was built.

If you live in a houseboat or a trailer or mobile home, fill the circle corresponding to the model year in which it was manufactured.

If you do not know the period when the building was first constructed, fill the circle for **Don't know**.

H18. A **condominium** is a type of ownership in which the apartments, houses, or mobile homes in a building or development are individually owned, but the common areas, such as lobbies, halls, etc., are jointly owned. Cooperative occupants should mark **No**.

H19a. Answer H19a and H19b if you live in a one-family house or mobile home.

b. This property is the acreage on which the house is located; it includes adjoining land you rent for your use. Report sales made in 1989 from this property by you or previous occupants.

Instructions for Questions H20 through H26

H20. If your house or apartment is rented, enter the costs for utilities and fuels **only if you pay for them in addition to the rent entered in H7a.**

If you live in a condominium, enter the costs for utilities and fuels **only if you pay for them in addition to your condominium fee.**

If your fuel and utility costs are already included in your rent or condominium fee, fill the **Included in rent or in condominium fee** circle. Do not enter any dollar amounts.

The amounts to be reported should be the total amount for the past 12 months. Estimate as closely as possible when exact costs are not known. If you have lived in this house or apartment less than 1 year, estimate the yearly cost.

Report amounts even if your bills are unpaid or paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own house or apartment. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket | the two utilities.

H21. Report taxes for all taxing jurisdictions (city or town, county, state, school district, etc.) even if they are included in your mortgage payment, not yet paid or paid by someone else, or are delinquent. Do not include taxes past due from previous years.

H22. When premiums are paid on other than a yearly basis, convert to a yearly basis. Enter the yearly amount even if no payment was made during the past 12 months.

H23a. The word *mortgage* is used as a general term to indicate all types of loans that are secured by real estate.

b. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see the instructions for H7a to change it to a monthly amount.

Include payments on first mortgages and contracts to purchase only. Payments for second or junior mortgages and home equity loans should be reported in H24b.

H24a. A second or junior mortgage or home equity loan is secured by real estate.

b. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see instructions for H7a and change it to a monthly amount. Include payments on all second or junior mortgages or home equity loans.

H25. A *condominium fee* is normally assessed by the condominium owners' association for the purpose of improving and maintaining the common areas. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see the instructions for H7a on how to change it to a monthly amount.

H26. Report amount even if your bills are unpaid or paid by someone else. Include payments for personal property taxes, land or site rent, registration fees and license fees. Do not include real estate taxes already reported in H21. The amount to be reported should be the total amount for an entire 12-month billing period even if made in two or more installments. Estimate as closely as possible when exact costs are not known.

Instructions for Question 8

8. For persons born in the United States:

Print the name of the State in which this person was born. If the person was born in Washington, D.C., print District of Columbia. If the person was born in a U.S. territory or commonwealth, print Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, or Northern Marianas.

For persons born outside the United States:

Print the name of the foreign country or area where the person was born. Use current boundaries, not boundaries at the time of the person's birth. Specify whether Northern Ireland or the Republic of Ireland (Eire); East or West Germany; North or South Korea; England, Scotland, or Wales (not Great Britain or United Kingdom). Specify the particular country or island in the Caribbean (not, for example, West Indies).

Instructions for Questions 9 through 13

9. A person should fill the **Yes, U.S. citizen by naturalization** circle only if he/she has completed the naturalization process and is now a United States citizen. If the person was born in Puerto Rico, Guam, the U.S. Virgin Islands, or Northern Marianas, he/she should fill the **Yes, born in Puerto Rico, Guam, the U.S. Virgin Islands, or Northern Marianas** circle. If the person was born outside the United States (or at sea) and has at least one American parent, he/she should fill the **Yes, born abroad of American parent or parents** circle.

10. If the person has entered the United States (that is, the 50 states and the District of Columbia) more than once, fill the circle for the latest year he/she came to stay.

11. Do not include enrollment in a trade or business school, company training, or tutoring unless the course would be accepted for credit at a regular elementary school, high school, or college.

A *public school* is any school or college that is controlled and supported primarily by a local, county, State, or Federal Government. Schools are private if supported and controlled primarily by religious organizations or other private groups.

12. Mark the category for the highest grade or level of schooling the person has **successfully completed** or the **highest degree** the person received. If the person is enrolled in school, mark the category containing the highest grade completed (the grade previous to the grade in which enrolled). Schooling completed in foreign or ungraded schools should be reported as the equivalent level of schooling in the regular American school system.

Persons who completed high school by passing an equivalency test, such as the General Educational Development (GED) examination, and did not attend college, should fill the circle for high school graduate.

Do not include vocational certificates or diplomas from vocational, trade, or business schools or colleges unless they were college level associate degrees or higher.

Some examples of *professional school degrees* include medicine, dentistry, chiropractic, optometry, osteopathic medicine, pharmacy, podiatry, veterinary medicine, law, and theology. Do not include barber school, cosmetology, or other training for a specific trade.

Do not include honorary degrees awarded by colleges and universities to individuals for their accomplishments. Include only "earned" degrees.

13. Print the ancestry group. Ancestry refers to the person's ethnic origin or descent, "roots," or heritage. Ancestry also may refer to the country of birth of the person or the person's parents or ancestors before their arrival in the United States. *All* persons, regardless of citizenship status, should answer this question.

Persons who have more than one origin and cannot identify with a single ancestry group may report two ancestry groups (for example, German-Irish).

Be specific. For example, print whether West Indian, Asian Indian, or American Indian. West Indian includes persons whose ancestors came from Jamaica, Trinidad, Haiti, etc. Distinguish Cape Verdean from Portuguese; French Canadian from Canadian; and Dominican Republic from Dominica Island.

A religious group should not be reported as a person's ancestry.

Instructions for Questions 14a through 19

- 14a.** Mark **Yes** if this person lived in this same house or apartment on April 1, 1985, even if he/she moved away and came back since then. Mark **No** if this person lived in the same building but in a different apartment (or in the same mobile home or trailer but on a different lot or trailer site).

- b.** If this person lived in a different house or apartment on April 1, 1985, give the location of this person's usual home at that time.

Part (1)

If the person lived in the United States on April 1, 1985, print the name of the State (or District of Columbia) where he or she lived. Continue with parts (2) through (4).

If the person lived in a U.S. territory or commonwealth, print the name of the territory or commonwealth, such as Puerto Rico, U.S. Virgin Islands, Guam, American Samoa, or Northern Marianas. Then go to question 15a.

If the person lived outside the United States, print the name of the foreign country or area where he or she lived. Specify whether Northern Ireland or the Republic of Ireland (Eire); East or West Germany; North or South Korea; England, Scotland or Wales (not Great Britain or United Kingdom). Specify the particular country or island in the Caribbean (not, for example, West Indies). Then go to question 15a.

Part (2)

If the person lived in Louisiana, print the parish name. If the person lived in Alaska, print the borough name. If the person lived in New York city and the county name is not known, print the borough name. If the person lived in an independent city (not in any county) or in Washington, D.C., leave blank and enter the city name in part (3).

Part (3)

If the person lived in New England, print the name of the town rather than the village name, unless the name of the town is not known. If the person lived outside the limits or boundaries of any city or town, print the name of the post office or the nearest town and mark **No**, **lived outside the city/town limits** in part (4).

Part (4)

Mark **Yes** if the location is now inside the city/town limits even if it was not inside the limits on April 1, 1985; that is, if the area was annexed by the city/town since that time.

- 15.** Mark **Yes** if the person sometimes or always speaks a language other than English at home.

Do not mark **Yes** for a language spoken only at school or if speaking is limited to a few expressions or slang.

Print the name of the language spoken at home. If this person speaks more than one non-English language and cannot determine which is spoken more often, report the first language the person learned to speak.

- 17a.** For a person with service in the National Guard or a military reserve unit, fill one of the two **Yes**, **active duty** circles if and only if the person has ever been called up for active duty other than training; otherwise, mark **Yes**, **service in Reserves or National Guard only**. For a person whose only service was as a civilian employee or volunteer for the Red Cross, USO, Public Health Service, or War or Defense Department, mark **No**. Count **World War II Merchant Marine Seaman** service as active duty; do not count other Merchant Marine service as active duty.

- 18.** Mark **Yes** to part (a) if a health condition substantially limits this person in his or her choice of occupation or if the condition limits the amount of work that can be accomplished in a given period of time. Mark **Yes** to part (b) if the health condition prevents this person from holding any significant employment.

- 19.** Consider a person to have difficulty with these activities if any of the following situations apply: (1) it takes extra time or extra effort for the person to perform one or more of the activities, (2) there are times when the person cannot perform one or more of the activities, or (3) the person is completely unable to perform one or more of the activities.

Instructions for Questions 20 through 23b

- 20.** Count all children born alive, including any who have died (even shortly after birth) or who no longer live with you. Do not include miscarriages or stillborn children or any adopted, foster, or stepchildren.

- 21a.** Count as work — Mark **Yes**:

- Work for someone else for wages, salary, piece rate, commission, tips, or payments "in kind" (for example, food, lodging received as payment for work performed).
- Work in own business, professional practice, or farm.
- Any work in a family business or farm, paid or not.
- Any part-time work including babysitting, paper routes, etc.
- Active duty in Armed Forces.

Do not count as work — Mark **No**:

- Housework or yard work at home.
- Unpaid volunteer work.
- School work.
- Work done as a resident of an institution.

- 22a.** Include the street type (for example, St., Road, Ave.) and the street direction (if a direction such as "North" is part of the address). For example, print 1239 N. Main St. or 1239 Main St., N.W. not just 1239 Main.

If the only known address is a post office box, give a description of the work location. For example, print the name of the building or shopping center where the person works, the nearest intersection, the nearest street where the workplace is located, etc. DO NOT GIVE A POST OFFICE BOX NUMBER.

If the person worked at a military installation or military base that has no street address, report the name of the military installation or base.

If the person worked at several locations, but reported to the same location each day to begin work, print the address of the location where he or she reported. If the person did not report to the same location each day to begin work, print the address of the location where he or she worked most last week.

If the person's employer operates in more than one location (such as a grocery store chain or public school system), print the exact address of the location or branch where the person worked. If the exact address of a school is not known, print the name of the school.

If the person worked on a college or university campus and the exact address of the workplace is not known, print the name of the building where he or she worked.

- d.** If the person worked in New York city and the county is not known, print the name of the borough where the person worked.

If the person worked in Louisiana, print the name of the parish where the person worked.

If the person worked in Alaska, print the name of the borough where the person worked.

- e.** If the person worked in a foreign country or Puerto Rico, Guam, etc., print the name of the country in 22e and leave the other parts of question 22 blank.

- 23a.** If the person usually used more than one type of transportation to get to work (for example, rode the bus and transferred to the subway), fill the circle of the one method of transportation that he/she used for most of the distance during the trip.

- b.** If the person was driven to work by someone who then drove back home or to a nonwork destination, fill the circle for **Drove alone**.

DO NOT include persons who rode to school or some other nonwork destination in the count of persons who rode in the vehicle.

Instructions for Questions 24a through 30

- 24a.** Give the time of day the person usually *left home to go to work*. DO NOT give the time that the person usually began his or her work.
If the person usually left home to go to work sometime *between 12:00 o'clock midnight and 12:00 o'clock noon*, fill the **a.m.** circle.
If the person usually left home to go to work sometime *between 12:00 o'clock noon and 12:00 o'clock midnight*, fill the **p.m.** circle.
- b.** Travel time is from door to door. Include time taken waiting for public transportation or picking up passengers in a carpool.
- 25.** If the person works only during certain seasons or on a day-by-day basis when work is available, mark **No**.
- 26a.** Mark **Yes** if the person tried to get a job or to start a business or professional practice at any time in the last 4 weeks; for example, registered at an employment office, went to a job interview, placed or answered ads, or did anything toward starting a business or professional practice.
- b.** Mark **No, already has a job** if the person was on layoff or was expecting to report to a job within 30 days.
Mark **No, temporarily ill** if the person expects to be able to work within 30 days.
Mark **No, other reasons** if the person could not have taken a job because he or she was going to school, taking care of children, etc.
- 27.** Look at the instructions for question 21a to see what to count as work. Mark **Never worked** if the person: (1) never worked at any kind of job or business, either full or part time, (2) never did any work, with or without pay, in a family business or farm, and (3) never served in the Armed Forces.
- 28a.** If the person worked for a company, business, or government agency, print the name of the company, not the name of the person's supervisor. If the person worked for an individual or a business that had no company name, print the name of the individual worked for. If the person worked in his/her own business, print "self-employed."
- b.** Print two or more words to tell what the business, industry, or individual employer named in 28a did. If there is more than one activity, describe only the major activity at the place where the person worked. Enter what is made, what is sold, or what service is given.
Some examples of what to enter:
- | | |
|---|-----------------------|
| Enter a description like the following – | Do not enter – |
| Metal furniture manufacturing | Furniture company |
| Retail grocery store | Grocery store |
| Petroleum refining | Oil company |
| Cattle ranch | Ranch |
- 29.** Print two or more words to describe the kind of work the person did. If the person was a trainee, apprentice, or helper, include that in the description. Some examples of what to enter:
- | | |
|---|-----------------------|
| Enter a description like the following – | Do not enter – |
| Production clerk | Clerk |
| Carpenter's helper | Helper |
| Auto engine mechanic | Mechanic |
| Registered nurse | Nurse |
- 30.** Mark **Employee of a PRIVATE NOT-FOR-PROFIT . . . organization** if the person worked for a cooperative, credit union, mutual insurance company, or similar organization.
Employees of foreign governments, the United Nations, and other international organizations should mark **PRIVATE NOT-FOR-PROFIT . . . organization**.
For persons who worked at a public school, college or university, mark the appropriate *government* category; for example, mark **State GOVERNMENT employee** for a state university, or mark **Local GOVERNMENT employee** for a county-run community college or a city-run public school.

Instructions for Questions 31a through 32h

- 31a.** Look at the instructions for question 21a to see what to count as work.
- b.** Count every week in which the person did any work at all, even for an hour.
- 32.** Fill the **Yes** or **No** circle for each part and enter the amount received during 1989.
If income from any source was received jointly by household members, report, if possible, the appropriate share for each person; otherwise, report the whole amount for only one person and fill the **No** circle for the other person.
- a.** Include wages and salaries from *all jobs before* deductions. Be sure to include any tips, commissions, or bonuses. Owners of *incorporated* businesses should enter their salary here. Military personnel should include base pay plus cash housing and/or subsistence allowance, flight pay, uniform allotments, reenlistment bonuses, etc.
- b.** Include **NONFARM** profit (or loss) from self-employment in sole proprietorships and partnerships. *Exclude* profit (or loss) of incorporated businesses you own.
- c.** Include **FARM** profit (or loss) from self-employment in sole proprietorships and partnerships. *Exclude* profit (or loss) of incorporated farm businesses you own. Also *exclude* amounts from land rented for cash but include amounts from land rented for shares.
- d.** Include interest received or credited to checking and savings accounts, money market funds, certificates of deposit (CDs), IRAs, KEOGHs, and government bonds.
Include dividends received, credited, or reinvested from ownership of stocks or mutual funds.
Include profit (or loss) from royalties and the rental of land, buildings or real estate, or from roomers or boarders. Income received by self-employed persons whose *primary* source of income is from renting property or from royalties should be included in questions 32b or 32c above. Include regular payments from an estate or trust fund.
- e.** Include Social Security (and/or Railroad Retirement) payments to retired persons, to dependents of deceased insured workers, and to disabled workers *before* Medicare deductions.
- f.** Include Supplemental Security Income received by aged, blind, or disabled persons, Aid to Families with Dependent Children, or income from other government programs such as general or emergency assistance. Do not include assistance received from private charities. *Exclude* assistance to pay for heating (cooling) costs.
- g.** Include retirement, disability, or survivor benefits received from companies and unions; Federal, State, and local governments, and the U.S. military. Include regular income from annuities and IRA or KEOGH retirement plans.
- h.** Include Veterans' (VA) disability compensation and educational assistance payments (VEAP), unemployment compensation, child support or alimony, and all other regular payments such as Armed Forces transfer payments; assistance from private charities; regular contributions from persons not living in the household, etc.
Do not include the following as income in any item:
- Refunds or rebates of any kind
 - Withdrawals from savings of any kind
 - Capital gains or losses from the sale of homes, shares of stock, etc.
 - Inheritances or insurance settlements
 - Any type of loan
 - Pay in-kind such as food, free rent, etc.

What the Census Is About — Some Questions and Answers

Why are we taking a census?

The most important reason for taking a decennial census is to determine how many representatives each state will have in Congress.

What does the Census Bureau do with the information you provide?

The individual information collected in the census is grouped together into statistical totals. Information such as the number of persons in a given area, their ages, educational background, the characteristics of their housing, etc., enable government, business, and industry to plan more effectively.

How long have we been taking the census?

The first census was taken in 1790 in accordance with the requirement in the first article of the constitution. A census has been taken every 10 years since. The 1990 Decennial Census marks the 200th anniversary of the census.

How are you being counted?

Census forms are delivered to all households a few days before census day. Households are requested to fill out the form and mail it back to the census office.

Why the Census Asks Certain Questions

Here are a few reasons for asking some of the questions.

It is as important to get information about people and their houses as it is to count them.

Name?

Names help make sure that everyone in a household is counted, but that no one is counted twice.

Value or rent?

Government and planning agencies use answers to these questions in combination with other information to develop housing programs to meet the needs of people at different economic levels.

Complete plumbing?

This question gives information on the quality of housing. The data are used with other statistics to show how the "level of living" compares in various areas and how it has changed over time.

Place of birth?

This question provides information used to study long-term trends as to where people move and to study migration patterns and differences in growth patterns.

Job?

Answers to the questions about the jobs people hold provide information on the extent and types of employment in different areas of the country. From this information, training programs can be developed and the need for new industries can be determined.

Income?

Income, more than anything else, determines how families or persons live. Income information makes it possible to compare the economic levels of different areas.

CENSUS '90

OFFICIAL 1990 U.S. CENSUS FORM



Thank you for taking time to complete and return this census questionnaire. It's important to you, your community, and the Nation.

The law requires answers but guarantees privacy.

By law (Title 13, U.S. Code), you're required to answer the census questions to the best of your knowledge. However, the same law guarantees that your census form remains confidential. For 72 years—or until the year 2062—only Census Bureau employees can see your form. No one else—no other government body, no police department, no court system or welfare agency—is permitted to see this confidential information under any circumstances.

How to get started—and get help.

Start by listing on the next page the names of all the people who live in your home. Please answer all questions with a black lead pencil. You'll find detailed instructions for answering the census in the enclosed guide. If you need additional help, call the toll-free telephone number to the left, near your address.

Please answer and return your form promptly.

Complete your form and return it by April 1, 1990 in the postage-paid envelope provided. Avoid the inconvenience of having a census taker visit your home.

**Again, thank you for answering the 1990 Census.
Remember: Return the completed form by April 1, 1990.**

Para personas de habla hispana --
(For Spanish-speaking persons)

Si usted desea un cuestionario del censo en español, llame sin cargo alguno al siguiente número: **1-800-CUENTAN**
(o sea 1-800-283-6826)

U.S. Department of Commerce
BUREAU OF THE CENSUS
FORM D-2

OMB No. 0607-0628
Approval Expires 07/31/91

The 1990 census must count every person at his or her "usual residence." This means the place where the person lives and sleeps most of the time.

1a. List on the numbered lines below the name of each person living here on Sunday, April 1, including all persons staying here who have no other home. If EVERYONE at this address is staying here temporarily and usually lives somewhere else, follow the instructions given in question 1b below.

Include

- Everyone who usually lives here such as family members, housemates and roommates, foster children, roomers, boarders, and live-in employees
- Persons who are temporarily away on a business trip, on vacation, or in a general hospital
- College students who stay here while attending college
- Persons in the Armed Forces who live here
- Newborn babies still in the hospital
- Children in boarding schools below the college level
- Persons who stay here most of the week while working even if they have a home somewhere else
- Persons with no other home who are staying here on April 1

Do NOT include

- Persons who usually live somewhere else
- Persons who are away in an institution such as a prison, mental hospital, or a nursing home
- College students who live somewhere else while attending college
- Persons in the Armed Forces who live somewhere else
- Persons who stay somewhere else most of the week while working

Print last name, first name, and middle initial for each person. Begin on line 1 with the household member (or one of the household members) in whose name this house or apartment is owned, being bought, or rented. If there is no such person, start on line 1 with any adult household member.

LAST	FIRST	INITIAL	LAST	FIRST	INITIAL
1			7		
2			8		
3			9		
4			10		
5			11		
6			12		

1b. If EVERYONE is staying here only temporarily and usually lives somewhere else, list the name of each person on the numbered lines above, fill this circle → ○ and print their usual address below. DO NOT PRINT THE ADDRESS LISTED ON THE FRONT COVER.

House number	Street or road/Rural route and box number	Apartment number
City	State	ZIP Code
County or foreign country	Names of nearest intersecting streets or roads	

NOW PLEASE OPEN THE FLAP TO PAGE 2 AND ANSWER ALL QUESTIONS FOR THE FIRST 7 PEOPLE LISTED. USE A BLACK LEAD PENCIL ONLY.

	PERSON 1		PERSON 2	
Please fill one column → for each person listed in Question 1a on page 1.	Last name		Last name	
	First name Middle initial		First name Middle initial	
2. How is this person related to PERSON 1? Fill ONE circle for each person. If Other relative of person in column 1, fill circle and print exact relationship, such as mother-in-law, grandparent, son-in-law, niece, cousin, and so on.	START in this column with the household member (or one of the members) in whose name the home is owned, being bought, or rented. If there is no such person, start in this column with any adult household member.		If a RELATIVE of Person 1: <input type="radio"/> Husband/wife <input type="radio"/> Brother/sister <input type="radio"/> Natural-born or adopted son/daughter <input type="radio"/> Father/mother <input type="radio"/> Stepson/stepdaughter <input type="radio"/> Grandchild <input type="radio"/> Other relative → If NOT RELATED to Person 1: <input type="radio"/> Roomer, boarder, or foster child <input type="radio"/> Unmarried partner <input type="radio"/> Housemate, roommate <input type="radio"/> Other nonrelative	
3. Sex Fill ONE circle for each person.	<input type="radio"/> Male <input type="radio"/> Female		<input type="radio"/> Male <input type="radio"/> Female	
4. Race Fill ONE circle for the race that the person considers himself/herself to be. If Indian (Amer.) , print the name of the enrolled or principal tribe. → If Other Asian or Pacific Islander (API) , print one group, for example: Hmong, Fijian, Laotian, Thai, Tongan, Pakistani, Cambodian, and so on. → If Other race , print race. →	<input type="radio"/> White <input type="radio"/> Black or Negro <input type="radio"/> Indian (Amer.) (Print the name of the enrolled or principal tribe.) → <input type="radio"/> Eskimo <input type="radio"/> Aleut <input type="radio"/> Asian or Pacific Islander (API) <input type="radio"/> Chinese <input type="radio"/> Japanese <input type="radio"/> Filipino <input type="radio"/> Asian Indian <input type="radio"/> Hawaiian <input type="radio"/> Samoan <input type="radio"/> Korean <input type="radio"/> Guamanian <input type="radio"/> Vietnamese <input type="radio"/> Other API → <input type="radio"/> Other race (Print race) →		<input type="radio"/> White <input type="radio"/> Black or Negro <input type="radio"/> Indian (Amer.) (Print the name of the enrolled or principal tribe.) → <input type="radio"/> Eskimo <input type="radio"/> Aleut <input type="radio"/> Asian or Pacific Islander (API) <input type="radio"/> Chinese <input type="radio"/> Japanese <input type="radio"/> Filipino <input type="radio"/> Asian Indian <input type="radio"/> Hawaiian <input type="radio"/> Samoan <input type="radio"/> Korean <input type="radio"/> Guamanian <input type="radio"/> Vietnamese <input type="radio"/> Other API → <input type="radio"/> Other race (Print race) →	
5. Age and year of birth a. Print each person's age at last birthday. Fill in the matching circle below each box. b. Print each person's year of birth and fill the matching circle below each box.	a. Age 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	b. Year of birth 1 8 0 0 0 0 9 1 1 1 1 2 0 2 0 3 0 3 0 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	a. Age 0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9	b. Year of birth 1 8 0 0 0 0 9 1 1 1 1 2 0 2 0 3 0 3 0 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 8 8 8 8 9 9 9 9
6. Marital status Fill ONE circle for each person.	<input type="radio"/> Now married <input type="radio"/> Separated <input type="radio"/> Widowed <input type="radio"/> Never married <input type="radio"/> Divorced		<input type="radio"/> Now married <input type="radio"/> Separated <input type="radio"/> Widowed <input type="radio"/> Never married <input type="radio"/> Divorced	
7. Is this person of Spanish/Hispanic origin? Fill ONE circle for each person. If Yes, other Spanish/Hispanic , print one group. →	<input type="radio"/> No (not Spanish/Hispanic) <input type="radio"/> Yes, Mexican, Mexican-Am., Chicano <input type="radio"/> Yes, Puerto Rican <input type="radio"/> Yes, Cuban <input type="radio"/> Yes, other Spanish/Hispanic (Print one group, for example: Argentinean, Colombian, Dominican, Nicaraguan, Salvadoran, Spaniard, and so on.) →		<input type="radio"/> No (not Spanish/Hispanic) <input type="radio"/> Yes, Mexican, Mexican-Am., Chicano <input type="radio"/> Yes, Puerto Rican <input type="radio"/> Yes, Cuban <input type="radio"/> Yes, other Spanish/Hispanic (Print one group, for example: Argentinean, Colombian, Dominican, Nicaraguan, Salvadoran, Spaniard, and so on.) →	
FOR CENSUS USE →	<input type="radio"/> <input type="radio"/>		<input type="radio"/> <input type="radio"/>	

<p>H8. When did the person listed in column 1 on page 2 move into this house or apartment?</p> <p> <input type="radio"/> 1989 or 1990 <input type="radio"/> 1985 to 1988 <input type="radio"/> 1980 to 1984 <input type="radio"/> 1970 to 1979 <input type="radio"/> 1960 to 1969 <input type="radio"/> 1959 or earlier </p>	<p>H14. Which FUEL is used MOST for heating this house or apartment?</p> <p> <input type="radio"/> Gas: from underground pipes serving the neighborhood <input type="radio"/> Gas: bottled, tank, or LP <input type="radio"/> Electricity <input type="radio"/> Fuel oil, kerosene, etc. <input type="radio"/> Coal or coke <input type="radio"/> Wood <input type="radio"/> Solar energy <input type="radio"/> Other fuel <input type="radio"/> No fuel used </p>	<p>H20. What are the yearly costs of utilities and fuels for this house or apartment? If you have lived here less than 1 year, estimate the yearly cost.</p> <p>a. Electricity</p> <p>\$.00 Yearly cost — Dollars</p> <p>OR</p> <p> <input type="radio"/> Included in rent or in condominium fee <input type="radio"/> No charge or electricity not used </p>
<p>H9. How many bedrooms do you have; that is, how many bedrooms would you list if this house or apartment were on the market for sale or rent?</p> <p> <input type="radio"/> No bedroom <input type="radio"/> 1 bedroom <input type="radio"/> 2 bedrooms <input type="radio"/> 3 bedrooms <input type="radio"/> 4 bedrooms <input type="radio"/> 5 or more bedrooms </p>	<p>H15. Do you get water from —</p> <p> <input type="radio"/> A public system such as a city water department, or private company? <input type="radio"/> An individual drilled well? <input type="radio"/> An individual dug well? <input type="radio"/> Some other source such as a spring, creek, river, cistern, etc.? </p>	<p>b. Gas</p> <p>\$.00 Yearly cost — Dollars</p> <p>OR</p> <p> <input type="radio"/> Included in rent or in condominium fee <input type="radio"/> No charge or gas not used </p>
<p>H10. Do you have COMPLETE plumbing facilities in this house or apartment; that is, 1) hot and cold piped water, 2) a flush toilet, and 3) a bathtub or shower?</p> <p> <input type="radio"/> Yes, have all three facilities <input type="radio"/> No </p>	<p>H16. Is this building connected to a public sewer?</p> <p> <input type="radio"/> Yes, connected to public sewer <input type="radio"/> No, connected to septic tank or cesspool <input type="radio"/> No, use other means </p>	<p>c. Water</p> <p>\$.00 Yearly cost — Dollars</p> <p>OR</p> <p> <input type="radio"/> Included in rent or in condominium fee <input type="radio"/> No charge </p>
<p>H11. Do you have COMPLETE kitchen facilities; that is, 1) a sink with piped water, 2) a range or cookstove, and 3) a refrigerator?</p> <p> <input type="radio"/> Yes <input type="radio"/> No </p>	<p>H17. About when was this building first built?</p> <p> <input type="radio"/> 1989 or 1990 <input type="radio"/> 1985 to 1988 <input type="radio"/> 1980 to 1984 <input type="radio"/> 1970 to 1979 <input type="radio"/> 1960 to 1969 <input type="radio"/> 1950 to 1959 <input type="radio"/> 1940 to 1949 <input type="radio"/> 1939 or earlier <input type="radio"/> Don't know </p>	<p>d. Oil, coal, kerosene, wood, etc.</p> <p>\$.00 Yearly cost — Dollars</p> <p>OR</p> <p> <input type="radio"/> Included in rent or in condominium fee <input type="radio"/> No charge or these fuels not used </p>
<p>H12. Do you have a telephone in this house or apartment?</p> <p> <input type="radio"/> Yes <input type="radio"/> No </p>	<p>H18. Is this house or apartment part of a condominium?</p> <p> <input type="radio"/> Yes <input type="radio"/> No </p>	
<p>H13. How many automobiles, vans, and trucks of one-ton capacity or less are kept at home for use by members of your household?</p> <p> <input type="radio"/> None <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 or more </p>	<p><i>If you live in an apartment building, skip to H20.</i></p> <p>H19a. Is this house on less than 1 acre?</p> <p> <input type="radio"/> Yes — Skip to H20 <input type="radio"/> No </p> <p>b. In 1989, what were the actual sales of all agricultural products from this property?</p> <p> <input type="radio"/> None <input type="radio"/> \$1 to \$999 <input type="radio"/> \$1,000 to \$2,499 <input type="radio"/> \$2,500 to \$4,999 <input type="radio"/> \$5,000 to \$9,999 <input type="radio"/> \$10,000 or more </p>	

INSTRUCTION:

Answer questions H21 TO H26, if this is a one-family house, a condominium, or a mobile home that someone in this household OWNS OR IS BUYING; otherwise, go to page 6.

H21. What were the real estate taxes on THIS property last year?

\$.00
Yearly amount — Dollars

OR

☐ None

H22. What was the annual payment for fire, hazard, and flood insurance on THIS property?

\$.00
Yearly amount — Dollars

OR

☐ None

H23a. Do you have a mortgage, deed of trust, contract to purchase, or similar debt on THIS property?

- ☐ Yes, mortgage, deed of trust, or similar debt } Go to H23b
- ☐ Yes, contract to purchase }
- ☐ No — Skip to H24a

b. How much is your regular monthly mortgage payment on THIS property? Include payment only on first mortgage or contract to purchase.

\$.00
Monthly amount — Dollars

OR

☐ No regular payment required — Skip to H24a

c. Does your regular monthly mortgage payment include payments for real estate taxes on THIS property?

- ☐ Yes, taxes included in payment
- ☐ No, taxes paid separately or taxes not required

d. Does your regular monthly mortgage payment include payments for fire, hazard, or flood insurance on THIS property?

- ☐ Yes, insurance included in payment
- ☐ No, insurance paid separately or no insurance

H24a. Do you have a second or junior mortgage or a home equity loan on THIS property?

- ☐ Yes
- ☐ No — Skip to H25

b. How much is your regular monthly payment on all second or junior mortgages and all home equity loans?

\$.00
Monthly amount — Dollars

OR

☐ No regular payment required

Answer ONLY if this is a CONDOMINIUM —
H25. What is the monthly condominium fee?

\$.00
Monthly amount — Dollars

Answer ONLY if this is a MOBILE HOME —
H26. What was the total cost for personal property taxes, site rent, registration fees, and license fees on this mobile home and its site last year? Exclude real estate taxes.

\$.00
Yearly amount — Dollars

Please turn to page 6. ➔

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23a. How did this person usually get to work LAST WEEK? If this person usually used more than one method of transportation during the trip, fill the circle of the one used for most of the distance.

- ☐ Car, truck, or van ☐ Motorcycle
☐ Bus or trolley bus ☐ Bicycle
☐ Streetcar or trolley car ☐ Walked
☐ Subway or elevated ☐ Worked at home
☐ Railroad ☐ Skip to 28
☐ Ferryboat ☐ Other method
☐ Taxicab

If "car, truck, or van" is marked in 23a, go to 23b. Otherwise, skip to 24a.

b. How many people, including this person, usually rode to work in the car, truck, or van LAST WEEK?

- ☐ Drove alone ☐ 5 people
☐ 2 people ☐ 6 people
☐ 3 people ☐ 7 to 9 people
☐ 4 people ☐ 10 or more people

24a. What time did this person usually leave home to go to work LAST WEEK?

- a.m.
 p.m.

b. How many minutes did it usually take this person to get from home to work LAST WEEK?

- Minutes — Skip to 28

25. Was this person TEMPORARILY absent or on layoff from a job or business LAST WEEK?

- ☐ Yes, on layoff
☐ Yes, on vacation, temporary illness, labor dispute, etc.
☐ No

26a. Has this person been looking for work during the last 4 weeks?

- ☐ Yes
☐ No — Skip to 27

b. Could this person have taken a job LAST WEEK if one had been offered?

- ☐ No, already has a job
☐ No, temporarily ill
☐ No, other reasons (in school, etc.)
☐ Yes, could have taken a job

27. When did this person last work, even for a few days?

- ☐ 1990 ☐ 1980 to 1984
☐ 1989 ☐ 1979 or earlier
☐ 1988 ☐ Never worked
☐ 1985 to 1987

28-30. CURRENT OR MOST RECENT JOB ACTIVITY. Describe clearly this person's chief job activity or business last week. If this person had more than one job, describe the one at which this person worked the most hours. If this person had no job or business last week, give information for his/her last job or business since 1985.

28. Industry or Employer

a. For whom did this person work?

If now on active duty in the Armed Forces, fill this circle ☐ and print the branch of the Armed Forces.

(Name of company, business, or other employer)

b. What kind of business or industry was this?

Describe the activity at location where employed.

(For example: hospital, newspaper publishing, mail order house, auto engine manufacturing, retail bakery)

c. Is this mainly — Fill ONE circle

- ☐ Manufacturing ☐ Other (agriculture, construction, service, government, etc.)
☐ Wholesale trade
☐ Retail trade

29. Occupation

a. What kind of work was this person doing?

(For example: registered nurse, personnel manager, supervisor of order department, gasoline engine assembler, cake icer)

b. What were this person's most important activities or duties?

(For example: patient care, directing hiring policies, supervising order clerks, assembling engines, icing cakes)

30. Was this person — Fill ONE circle

- ☐ Employee of a PRIVATE FOR PROFIT company or business or of an individual, for wages, salary, or commissions
☐ Employee of a PRIVATE NOT-FOR-PROFIT, tax-exempt, or charitable organization
☐ Local GOVERNMENT employee (city, county, etc.)
☐ State GOVERNMENT employee
☐ Federal GOVERNMENT employee
☐ SELF-EMPLOYED in own NOT INCORPORATED business, professional practice, or farm
☐ SELF-EMPLOYED in own INCORPORATED business, professional practice, or farm
☐ Working WITHOUT PAY in family business or farm

31a. Last year (1989), did this person work, even for a few days, at a paid job or in a business or farm?

- ☐ Yes
☐ No — Skip to 32

b. How many weeks did this person work in 1989?

Count paid vacation, paid sick leave, and military service.

Weeks

c. During the weeks WORKED in 1989, how many hours did this person usually work each week?

Hours

32. INCOME IN 1989 —

Fill the "Yes" circle below for each income source received during 1989. Otherwise, fill the "No" circle. If "Yes," enter the total amount received during 1989.

For income received jointly, see instruction guide.

If exact amount is not known, please give best estimate.

If net income was a loss, write "Loss" above the dollar amount.

a. Wages, salary, commissions, bonuses, or tips from all jobs — Report amount before deductions for taxes, bonds, dues, or other items.

- ☐ Yes ☐ No
 Annual amount — Dollars

b. Self-employment income from own nonfarm business, including proprietorship and partnership — Report NET income after business expenses.

- ☐ Yes ☐ No
 Annual amount — Dollars

c. Farm self-employment income — Report NET income after operating expenses. Include earnings as a tenant farmer or sharecropper.

- ☐ Yes ☐ No
 Annual amount — Dollars

d. Interest, dividends, net rental income or royalty income, or income from estates and trusts — Report even small amounts credited to an account.

- ☐ Yes ☐ No
 Annual amount — Dollars

e. Social Security or Railroad Retirement

- ☐ Yes ☐ No
 Annual amount — Dollars

f. Supplemental Security Income (SSI), Aid to Families with Dependent Children (AFDC), or other public assistance or public welfare payments.

- ☐ Yes ☐ No
 Annual amount — Dollars

g. Retirement, survivor, or disability pensions — Do NOT include Social Security.

- ☐ Yes ☐ No
 Annual amount — Dollars

h. Any other sources of income received regularly such as Veterans' (VA) payments, unemployment compensation, child support, or alimony — Do NOT include lump-sum payments such as money from an inheritance or the sale of a home.

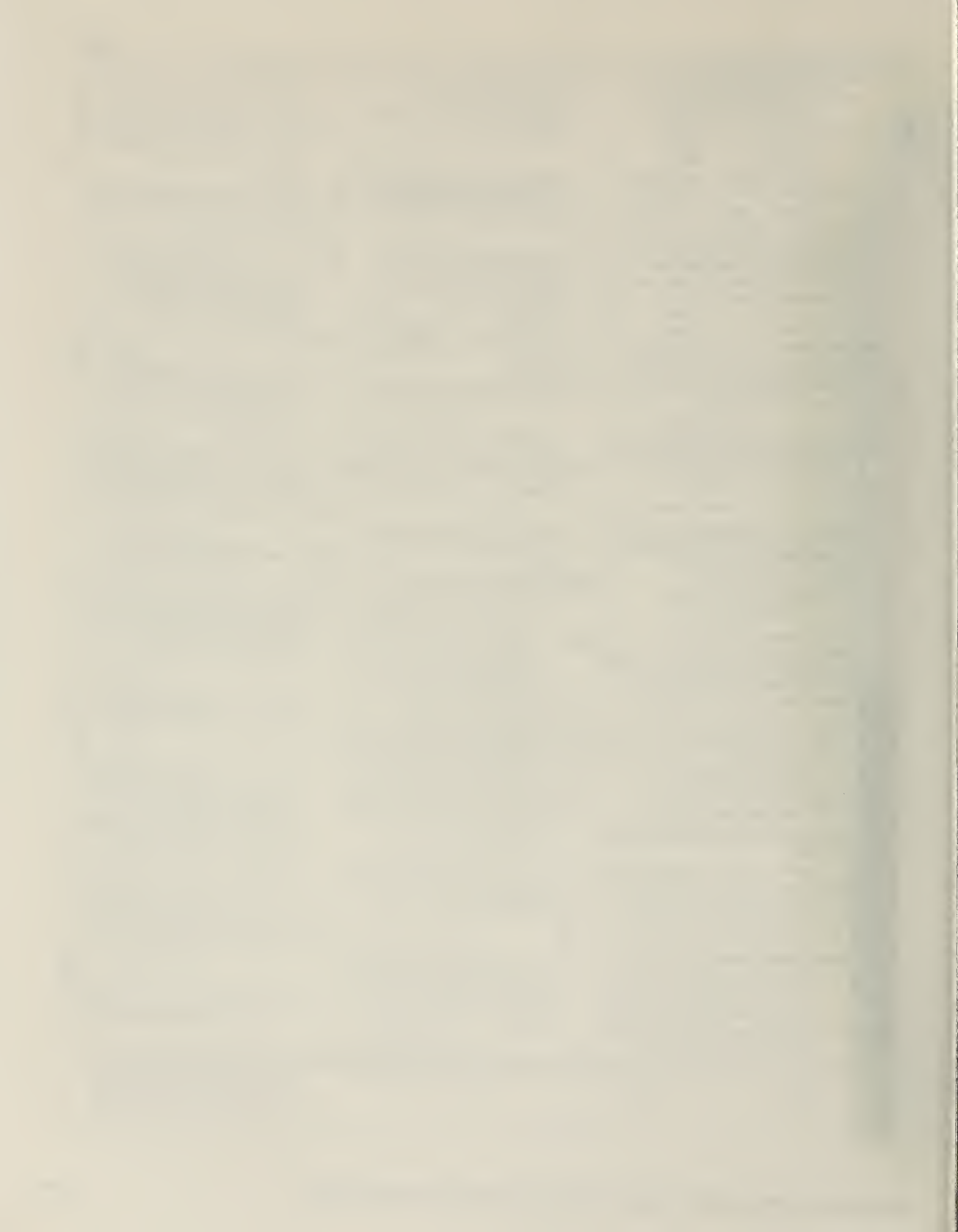
- ☐ Yes ☐ No
 Annual amount — Dollars

33. What was this person's total income in 1989?

Add entries in questions 32a through 32h; subtract any losses. If total amount was a loss, write "Loss" above amount.

- ☐ None OR ☐ \$
 Annual amount — Dollars

Please turn the page and answer questions for Person 2 listed on page 1. If this is the last person listed in question 1a on page 1, go to the back of the form.



APPENDIX F.

Data Products and User Assistance

CONTENTS

Data Products	F-1
Geographic Products	F-3
Other Census Bureau Resources	F-5
Reference Materials	F-4
Sources of Assistance	F-4

The 1990 census data products, being released during 1991-93, are available in a variety of new and traditional media. The Census Bureau has increased the product options available to data users in an effort to meet a variety of requirements and maximize the usefulness of the data. For example, laser discs, called CD-ROM (compact disc—read-only memory), are a new data delivery medium.

The Census Bureau also has expanded services and sources of assistance available to data users. For example, the State Data Center Program has been expanded to include over 1,400 organizations to provide data and services to the public.

This appendix provides a detailed introduction to the 1990 census data products and related materials, such as maps and reference publications. It concludes by describing sources of assistance and other Census Bureau data available to the public.

DATA PRODUCTS

Printed reports and computer tape files traditionally are the most widely used products. The Census Bureau also offers data on microfiche, on CD-ROM laser discs, and through its online service, CENDATA™. These various products are described below. For information about prices and how to order, write or call Customer Services. (See the "Sources of Assistance" section for the address and phone number.)

The data products present statistics about the subjects covered in the 1990 census questionnaires. These subjects are listed in figure 1, page F-7. As the figure shows, there are 100-percent subjects (those covered in questions asked of everyone or about every housing unit) and sample subjects (those covered in questions asked at about one out of every six housing units). Generally, a data product presents either 100-percent data prepared by tabulating the responses to the 100-percent questions from all questionnaires, or sample data prepared by tabulating only the responses to the 100-percent and sample questions from the "long-form" questionnaires. Two report series, 1990 CPH-3 and 1990 CPH-4 (see figure 2, page F-8), present both 100-percent and sample data.

Printed Reports

Printed reports are the most convenient and readily available source of data for most census users. The Census Bureau releases the reports in several series (see figure 2) that are grouped under three broad titles: *1990 Census of Population and Housing* (1990 CPH), *1990 Census of Population* (1990 CP), and *1990 Census of Housing* (1990 CH). There also are reports, not reflected in figure 2, for the outlying areas of the Pacific. The reports are sold by the Superintendent of Documents, U.S. Government Printing Office. (See the "Sources of Assistance" section for the address and phone number.)

In several series, there are separate reports for each State. The geographic coverage of the State reports is listed in figure 2. The United States summaries for these report series contain, for the most part, data for the United States, regions, divisions, States, metropolitan areas (MA's), urbanized areas (UA's), counties, American Indian and Alaska Native areas, places with 10,000 or more persons, and other large substate areas (for example, county subdivisions, such as towns and townships, with 10,000 or more persons in selected States).

Report series that present data for small areas, such as census tracts, contain limited subject-matter detail (for example, counts of people by age ranges—under 5 years, 5 to 9 years, etc.—rather than by single years). Report series that include greater amounts of subject-matter detail include less geographic detail.

Computer Tape Files

The Census Bureau provides more data on tape and other machine-readable products than in printed reports. These products are sold by the Census Bureau's Customer Services. There are several general types of data files released on computer tape (available on both reels and cartridges). They are introduced below, and more information is presented in figures 3 and 4, pages F-11 through F-13.

Public Law 94-171 Data—This data file presents the counts designed and formatted for use in legislative redistricting. These counts also are available on CD-ROM and paper listings. Excerpts are available on CENDATA™. The counts, for areas as small as blocks, census tracts, and voting districts, include totals for population, race groups, persons of Hispanic origin, population 18 years and over, and housing units. (See figure 4.)

Summary Tape Files (STF's)— These computer tape files provide statistics with greater subject-matter detail than printed reports. They also present statistics for some types of areas, such as block groups and blocks, that are not included in the reports. (See figure 3.)

Here are some important features of STF's:

- Each STF presents a particular set of data tables for specific types of geographic areas.
- Each STF has three or more file types (indicated by a letter suffix attached to the STF number) that differ in the geographic levels reported, but contain the same data detail.
- STF's 1 and 2 contain 100-percent data, and STF's 3 and 4 offer sample data.
- STF's 1 and 3 report on smaller areas and offer less data detail than STF's 2 and 4.
- STF's 1 through 4 offer greater data detail than the 1980 STF's 1 through 4.

Subject Summary Tape Files (SSTF's)—These files are the source of the subject reports and provide greater subject-matter detail than the STF's. They present data for the United States, regions, and divisions, and, in some cases, also for States, counties, and large cities. (See figure 4.)

Public Use Microdata Sample (PUMS) Files—These computer tape files (see figure 4) contain data from samples of long-form housing-unit records ("microdata") for large geographic areas. Each sample housing-unit record includes essentially all the 1990 census data collected about each person in a sample household and the characteristics of the housing unit. Information that could be used to identify an individual or a housing unit is not included in the file.

Microdata files enable users to prepare customized tabulations and cross-tabulations of most items on the census questionnaire. There are two PUMS files:

- A file presenting a 5-percent sample of housing units in which each household record includes codes to let the user know in what area, such as a group of counties, a single county, or a place, the household is located. Each area identified must have a population of at least 100,000 and boundaries that do not cross State lines.
- A file presenting a 1-percent sample of housing units. Its household records include codes associating them with MA's and other large areas, the boundaries of which may cross State lines. (For the 1980 census, there were two files with 1-percent samples. The 1-percent sample showing data for selected urbanized areas and other large areas will not be produced for the 1990 census.)

Other Special Computer Tape Files—Other files include the Census/Equal Employment Opportunity (EEO) Special File and the County-to-County Migration File. (See figure 4.) The Census Bureau may prepare additional special files.

Microfiche

Block statistics are available on microfiche as they were for the 1980 census. The microfiche present, in table format, a subset of the tabulations for census blocks found in STF 1B (see figure 3). In the 1990 census, for the first time, the entire land area of the Nation and its possessions was block-numbered. This increased the number of blocks for which the Census Bureau provides data from 2.5 million in 1980 to 7 million for 1990. The cost and storage of block data of this magnitude would be prohibitive if the data were published in printed reports.

STF's 1A and 3A are available on microfiche, as well. As noted in figure 3, they provide data for a variety of geographic areas. Also, all printed reports are offered on microfiche from Customer Services soon after they are published.

Compact Disc—Read-Only Memory (CD-ROM)

For the 1990 census, the Public Law (P.L.) 94-171 file; an extract of STF 1B that presents selected statistics for blocks; and STF's 1A, 1C, 3A, 3B, and 3C are also available on CD-ROM. (One 4 3/4-inch CD-ROM, a type of optical or laser disc, can hold the contents of approximately 1,600 flexible diskettes, or three or four high-density computer tapes.)

Online Information Systems

The Census Bureau began CENDATA™, its online information service, in 1984. CENDATA™ is accessible through two information vendors, CompuServe and DIALOG. A number of Census Bureau reports, in whole or in part, are offered online. For the 1990 census, CENDATA™ provides up-to-date information about the availability of data products and carries selections of State, county, MA, and place data from the P.L. 94-171 tape file and STF's 1 and 3.

Custom Data Products

These products are for users who require unique tabulations that are not included in standard products; for example, information for locally defined geographic areas. Users also can order special microdata files.

The cost of preparing custom products must be paid by the users who request them. Any data that the Census Bureau provides in these products are subject to the same standards applied to other data to ensure that confidential individual information is not revealed.

User-Defined Areas Program (UDAP) Tabulations—UDAP can provide a set of predefined data tables for locally defined areas that do not correspond to standard 1990 census geographic areas. Users identify the geographic areas of interest to them by delineating boundaries around groupings of census blocks on 1990 census County

Block Maps or by electronically submitting the geographic components of their area of interest. (A contact for more information is given in the "Sources of Assistance" section.)

Special Tabulations—The Census Bureau can prepare special data tabulations for any specific geographic or subject-matter area. Users should rely on standard reports, tapes, microfiche, or user-defined area tabulations whenever possible, since special tabulations tend to be substantially more expensive and take time to arrange and produce. (Contacts for more information are given in the "Sources of Assistance" section.)

GEOGRAPHIC PRODUCTS

Maps

Census Bureau maps are necessary for virtually all uses of small-area 1990 census data. They are needed to locate the specific geographic areas for which the census provides data and to study the spatial relationship of the data for analytic purposes. The Census Bureau prepares a variety of 1990 census maps. Among the most useful are these four series:

County Block Maps—These maps show census blocks and their numbers; boundaries for statistical and governmental entities, such as census tracts and places; and physical features. The P.L. 94-171 version of these maps also shows voting district boundaries in those States that furnished them. The maps are prepared on electrostatic plotters by county (or equivalent entity) with one or more map sheets each, depending on the size and shape of the area and the density of the block pattern. An average county requires 20 map sheets. The maps may be purchased from Customer Services.

County Subdivision Outline Maps—Maps in this State-based series present the boundaries of the counties, county subdivisions, places, American Indian and Alaska Native areas (including off-reservation trust lands), tribal designated statistical areas, and tribal jurisdiction statistical areas. Electrostatic-plotter copies are available for purchase from Customer Services. Also, they appear on multiple page-size sheets in the State reports of these series: 1990 CPH-1, 1990 CPH-2, 1990 CPH-5, 1990 CP-1, 1990 CP-2, 1990 CH-1, and 1990 CH-2.

Census Tract/Block Numbering Area (BNA) Outline Maps—Maps in this county-based series depict census tract or BNA boundaries and numbers, and the features underlying the boundaries. They also show governmental units in relation to the census tracts/BNA's. Customer Services sells electrostatic-plotter copies, and the Superintendent of Documents sells printed copies.

Voting District Outline Maps—Maps in this county-based series depict voting district boundaries (for those counties for which States furnished boundary information) and the features underlying the boundaries. They also show governmental unit boundaries in relation to the voting districts. They are prepared on electrostatic plotters and sold by Customer Services.

Geographic Publications

The *Geographic Identification Code Scheme* report in the 1990 CPH-R series shows the 1990 census geographic area codes and Federal information processing standards (FIPS) codes, as appropriate, for States, metropolitan areas, counties, county subdivisions, places, American Indian and Alaska Native areas, and other entities, along with some descriptive information about the codes. The code scheme also is offered on computer tape.

Machine-Readable Geographic Files

All 1990 census summary tape files include 1990 census geographic area codes, FIPS codes, certain area names, land and inland water area in square kilometers, geographic coordinates for an internal point for each entity, and other geographic information.

The Census Bureau developed an automated geographic data base, known as the TIGER (Topologically Integrated Geographic Encoding and Referencing) System, to produce the geographic products for the 1990 census. TIGER provides coordinate-based digital map information for the entire United States, Puerto Rico, the U.S. Virgin Islands, and the Pacific territories over which the United States has jurisdiction.

The TIGER System has significantly improved the utility of 1990 census maps and geographic reference products. Extract files generated from the TIGER System permit users, with appropriate software, to perform such tasks as linking the statistical data in the P.L. 94-171 file or the STF's and displaying selected characteristics on maps or a video display screen at different scales and with whatever boundaries they select for any geographic area of the country. For example, a map for a particular county could show the distribution of the voting age population by city block.

The first extract of selected geographic and cartographic information intended for computer applications, such as plotting maps and building geographic information systems, is called the TIGER/Line™ files. TIGER/Line™ files contain attributes for the segments of each boundary and feature (for example, roads, railroads, and rivers), including 1990 census geographic codes for adjacent areas, latitude/longitude coordinates of segment end points and the curvature of segments, the name and type of the feature, and the relevant census feature class code identifying the feature segment by category. TIGER/Line™ files also furnish address ranges and associated ZIP

Codes for each side of street segments in major urban areas; provide the names of landmarks, such as lakes and golf courses; and include other information.

TIGER/Line™ files and other TIGER System extracts, such as TIGER/Boundary™ and TIGER/DataBase™, are released on computer tape and, in some cases, CD-ROM. For information on TIGER extract files, contact Customer Services.

REFERENCE MATERIALS

The Census Bureau issues several reference publications for data users. Some are sold by the Superintendent of Documents; others are distributed free by Customer Services. Addresses and phone numbers for the Superintendent of Documents and Customer Services are given in the following section.

- *1990 Census of Population and Housing, Guide.* This guide, in the 1990 CPH-R report series, provides detailed information about all aspects of the census and a comprehensive glossary of census terms. Sold by the Superintendent of Documents, U.S. Government Printing Office.
- *1990 Census of Population and Housing Tabulation and Publication Program.* A free report describing 1990 census products, comparing 1990 products with those of 1980, and more. Request from Customer Services.
- *Census '90 Basics.* A free booklet covering how the 1990 census data were collected and processed, the full range of data products, the maps and geographic files, and more, but with less detail than the Guide (above). Request from Customer Services.
- *Census ABC's—Applications in Business and Community.* A free booklet that highlights key information about the 1990 census and illustrates a variety of ways the data can be used. Request from Customer Services.
- *Strength in Numbers.* A free, tabloid-size booklet designed to assist people in using 1990 census data in redistricting. Among other features, it includes illustrations of maps and Public Law 94-171 counts. Request from Customer Services.
- *TIGER: The Coast-to-Coast Digital Map Data Base.* A free booklet describing the structure and uses of the Census Bureau's TIGER System. Request from Customer Services.
- *Census and You.* The Census Bureau's monthly newsletter for data users. It reports on the latest 1990 census developments, selected new publications and computer tape files, other censuses and surveys, developments in services to users, and upcoming conferences and training courses. Subscriptions are sold by the Superintendent of Documents, U.S. Government Printing Office.

- *Monthly Product Announcement.* A free monthly listing of all new Census Bureau publications; microfiche; maps; data files on tape, diskettes, or CD-ROM; and technical documentation. To subscribe, contact Customer Services.

- *Census Catalog and Guide.* A comprehensive annual description of data products, statistical programs, and services of the Census Bureau. It provides abstracts of the publications, data files, microfiche, maps, and items online. In addition, the Catalog/Guide offers such features as information about censuses and surveys and telephone contact lists of data specialists at the Census Bureau, the State Data Centers, and other data processing service centers. It is sold by the Superintendent of Documents, U.S. Government Printing Office.

Users also can get listings of new Census Bureau products, updated daily, by subscribing to the *Daily List*. This information and selected statistics are available online through CENDATA™, the Census Bureau's online information service. For more information, contact Customer Services.

SOURCES OF ASSISTANCE

U.S. Bureau of the Census

The Census Bureau's Customer Services sells most of the machine-readable data products, microfiche, and maps described earlier. (The 1990 census printed reports are sold by the Superintendent of Documents, as noted below.) Also, users may consult with specialists at the Census Bureau's Washington headquarters and its 12 regional offices. From time to time, the specialists also conduct workshops, seminars, and training courses.

Washington, DC, Contacts—To order products, for a telephone contacts list of Census Bureau specialists, and for general information: Customer Services, U.S. Bureau of the Census, Washington, DC 20233, telephone 301-763-4100 (fax number, 301-763-4794).

For User-Defined Areas Program (UDAP) information: UDAP Staff, Decennial Planning Division, U.S. Bureau of the Census, Washington, DC 20233, telephone 301-763-4282.

For special tabulation information: Population—Rosemarie Cowan, Population Division, U.S. Bureau of the Census, Washington, DC 20233, telephone 301-763-5476; Housing—William Downs, Housing and Household Economic Statistics, U.S. Bureau of the Census, Washington, DC 20233, telephone 301-763-8553.

Regional Office Contacts—

Atlanta, GA	404-347-2274
Boston, MA	617-565-7078
Charlotte, NC	704-371-6144
Chicago, IL	312-353-0980
Dallas, TX	214-767-7105
Denver, CO	303-969-7750
Detroit, MI	313-354-4654
Kansas City, KS	913-236-3711
Los Angeles, CA	818-904-6339
New York, NY	212-264-4730
Philadelphia, PA	215-597-8313
Seattle, WA	206-728-5314

Superintendent of Documents, U.S. Government Printing Office

The Superintendent of Documents handles the sale of most of the Federal Government's publications, including 1990 census reports. To order reports and for information: Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, telephone 202-783-3238.

Other Sources of Products and Services

State Data Centers—The Census Bureau furnishes data products, training in data access and use, technical assistance, and consultation to all States, the District of Columbia, Guam, Puerto Rico, and the U.S. Virgin Islands. State Data Centers, in turn, offer publications for reference, printouts from computer tape, specially prepared reports, maps, and other products and assistance to data users. For a list of the State Data Centers, see the *Census Catalog and Guide* or contact Customer Services. The list also notes organizations in States participating in the Census Bureau's Business/Industry Data Center (BIDC) Program. The BIDC's help business people, economic development planners, and other data users obtain and use data.

National Services Program—The National Services Program (NSP) provides data-related services for nationally based nonprofit organizations that represent minorities or other segments of the population who have been historically undercounted in decennial censuses. The participants include social service, business, professional, civil rights, educational, and religious groups. Through a pilot project, the National Services Information Center (NSIC) Initiative, three of these nonprofit groups now offer their clientele reports, computer tape printouts, and other information from the Census Bureau. To learn more about the NSP and the NSIC, write to the National Services Program, Data User Services Division, Bureau of the Census, Washington, DC 20233, or call 301-763-1384.

National Clearinghouse—The National Clearinghouse for Census Data Services is a listing of private companies and other organizations that offer assistance in obtaining and

using data released by the Census Bureau. For a list of participants in the National Clearinghouse, see the *Census Catalog and Guide* or contact Customer Services.

Depository Libraries—There are 1,400 libraries that receive (from the Government Printing Office) Federal publications that they think their patrons will need. Often some of these publications are Census Bureau reports. The Census Bureau provides free reports to an additional 120 census depository libraries. Also, many libraries purchase census reports and maps for their areas. The *Census Catalog and Guide* includes a list of all depository libraries.

OTHER CENSUS BUREAU RESOURCES

The Census Bureau has more to offer than just the results of the census of population and housing. Through other censuses, surveys, and estimates programs, it compiles and issues (in reports, computer tape, and other media) data on subjects as diverse as appliance sales, neighborhood conditions, and exports to other countries. Here are examples of the information published about—

- *People:* Age, race, sex, income, poverty, child care, child support, fertility, noncash benefits, education, commuting habits, pension coverage, unemployment, ancestry.
- *Business and industry:* Number of employees, total payroll, sales and receipts, products manufactured or sold.
- *Housing and construction:* Value of new construction, numbers of owners and renters, property value or rent paid, housing starts, fuels used, mortgage costs.
- *Farms:* Number, acreage, livestock, crop sales.
- *Governments:* Revenues and expenditures, taxes, employment, pension funds.
- *Foreign trade:* Exports and imports, origin and destination, units shipped.
- *Other nations:* Population, birth rates, death rates, literacy, fertility.

The other censuses, such as agriculture, retail trade, manufactures, and governments, are collected for years ending in "2" and "7." Surveys and estimates programs generate results as often as every month.

Many of the monthly "economic indicators" that measure how the Nation is doing come directly or indirectly from the Census Bureau. Examples: employment and unemployment; housing starts; wholesale and retail trade; manufacturers' shipments, inventories, and orders; export and import trade; and sales of single-family homes.

The other statistical activities of the Census Bureau are described below. Data users will find more information about them and descriptions of their data products in the

annual *Census Catalog and Guide*. Also, special guides and brochures are prepared for most of them. Contact the Census Bureau's Customer Services for more information.

Current Demographic and Housing Programs

Two types of current programs complement the 10-year census: population estimates and surveys. The total population of the United States is estimated monthly; the population of States, counties, and metropolitan areas is estimated annually; and the population of places and other governmental units is estimated every 2 years. Projections of future population are made at the national and State levels.

The Census Bureau's many household surveys update population and housing characteristics at the national level and sometimes for States and metropolitan areas, as well. These surveys also obtain many characteristics not included in the 10-year census. The Current Population Survey is taken monthly; the American Housing Survey national sample is taken biennially; the American Housing Survey metropolitan sample is taken in 44 areas, 11 per year in a 4-year cycle; most other surveys are annual or less frequent.

Economic Censuses and Surveys

The economic censuses provide statistics about business establishments once every 5 years, covering years ending in "2" and "7." The 1987 Economic Censuses include the censuses of retail trade, wholesale trade, service industries, transportation, manufactures, mineral industries, and construction industries. Also included are related programs, such as statistics on minority- and women-owned businesses, enterprise statistics, and censuses of economic activity in Puerto Rico and some of the outlying areas under U.S. jurisdiction.

Several key statistics are tabulated for all industries covered in the censuses. They are number of establishments, number of employees, payroll, and measure of output (sales or receipts, and value of shipments or of work done). Other items vary from sector to sector.

The Census Bureau also has programs that provide current statistics on such measures as total sales of particular kinds of businesses or production of particular products. These programs include monthly, quarterly, and annual surveys, the results of which appear in publication series such as *Current Business Reports* and *Current Industrial Reports*. The County Business Patterns program offers annual statistics based on data compiled primarily from administrative records.

Agriculture Census and Surveys

The agriculture census is conducted concurrently with the economic censuses. It is the only source of uniform agriculture data at the county level. It provides data on such subjects as the number and size of farms; land use and ownership; livestock, poultry, and crops; and value of products sold.

Results of three surveys—the 1988 Farm and Ranch Irrigation Survey, 1988 Census of Horticulture Specialties, and 1988 Agricultural Economics and Land Ownership Survey—are published in conjunction with the 1987 Census of Agriculture. Also, the Census Bureau regularly issues reports from a survey on cotton ginnings.

Governments Census and Surveys

The census of governments, also for years ending in "2" and "7," covers all types of governments: Federal, State, county, municipal (place), township (county subdivision), school district, and special district. It provides data on such subjects as number of public employees, payrolls, revenue, and expenditures.

Annual and quarterly surveys cover the same principal subjects but generate data only for States and the largest local governments.

Foreign Trade Statistics

Monthly U.S. merchandise trade data compiled by the Census Bureau summarize export and import transactions and are based on the official documents filed by shippers and receivers. These figures reflect the flow of merchandise but not intangibles like services and financial commitments. The trade figures trace commodity movements out of and into the U.S. Customs jurisdiction, which includes Puerto Rico and the U.S. Virgin Islands as well as the 50 States and the District of Columbia. Data are published separately on trade between the United States and Puerto Rico, the U.S. Virgin Islands, and other U.S. possessions.

Other Statistical Activities

The Census Bureau also offers international data. It maintains an international data base which is available to the public on computer tape and is used to produce the biennial *World Population Profile* report. It prepares studies dealing with the demographic and economic characteristics of other countries and world regions.

Statistical compendia are another important data product. These publications (sometimes also offered in machine-readable form) draw data from many sources and reorganize them for convenient use. The most widely used compendia are the annual *Statistical Abstract of the United States*, the *County and City Data Book* (published every 5 years), and the *State and Metropolitan Area Data Book* (published approximately every 4 years).

Figure 1. 1990 Census Content

100-PERCENT COMPONENT

Population

Household relationship
Sex
Race
Age
Marital status
Hispanic origin

Housing

Number of units in structure
Number of rooms in unit
Tenure—owned or rented
Value of home or monthly rent
Congregate housing (meals included in rent)
Vacancy characteristics

SAMPLE COMPONENT

Population

Social characteristics:

Education—enrollment and attainment
Place of birth, citizenship, and year of entry into U.S.
Ancestry
Language spoken at home
Migration (residence in 1985)
Disability
Fertility
Veteran status

Economic characteristics:

Labor force
Occupation, industry, and class of worker
Place of work and journey to work
Work experience in 1989
Income in 1989
Year last worked

Housing

Year moved into residence
Number of bedrooms
Plumbing and kitchen facilities
Telephone in unit
Vehicles available
Heating fuel
Source of water and method of sewage disposal
Year structure built
Condominium status
Farm residence
Shelter costs, including utilities

NOTE: Questions dealing with the subjects covered in the 100-percent component were asked of all persons and housing units. Those covered by the sample component were asked of a sample of the population and housing units.

Figure 2. 1990 Census Printed Reports

Series	Title	Report(s) Issued for	Description	Geographic areas
1990 CENSUS OF POPULATION AND HOUSING (1990 CPH)				
100-Percent Data				
1990 CPH-1	Summary Population and Housing Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Population and housing unit counts, and summary statistics on age, sex, race, Hispanic origin, household relationship, units in structure, value and rent, number of rooms, tenure, and vacancy characteristics	Local governmental units (i.e., counties, places, and towns and townships), other county subdivisions, and American Indian and Alaska Native areas
1990 CPH-2	Population and Housing Unit Counts	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Total population and housing unit counts for 1990 and previous censuses	States, counties, county subdivisions, places, State component parts of metropolitan areas (MA's) and urbanized areas (UA's), and summary geographic areas (for example, urban and rural)
100-Percent and Sample Data				
1990 CPH-3	Population and Housing Characteristics for Census Tracts and Block Numbering Areas	MA's, and the nonmetropolitan balance of each State, Puerto Rico, and U.S. Virgin Islands	Statistics on 100-percent and sample population and housing subjects	In MA's: census tracts/block numbering areas (BNA's), places of 10,000 or more inhabitants, and counties. In the remainder of each State: census tracts/BNA's, places of 10,000 or more, and counties
1990 CPH-4	Population and Housing Characteristics for Congressional Districts of the 103rd Congress	States and DC	Statistics on 100-percent and sample population and housing subjects	Congressional districts (CD's) and, within CD's, counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, and American Indian and Alaska Native areas
Sample Data				
1990 CPH-5	Summary Social, Economic, and Housing Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Statistics generally on sample population and housing subjects	Local governmental units (i.e., counties, places, and towns and townships), other county subdivisions, and American Indian and Alaska Native areas
1990 CENSUS OF POPULATION (1990 CP)				
100-Percent Data				
1990 CP-1	General Population Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics	States, counties, places of 1,000 or more inhabitants, county subdivisions of 1,000 or more inhabitants in selected States, State parts of American Indian areas, Alaska Native areas, and summary geographic areas such as urban and rural

Figure 2. 1990 Census Printed Reports—Con.

Series	Title	Report(s) Issued for	Description	Geographic areas
1990 CENSUS OF POPULATION (1990 CP)—Con.				
100-Percent Data—Con.				
1990 CP-1-1A	General Population Characteristics for American Indian and Alaska Native Areas	U.S.	Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics	American Indian and Alaska Native areas; i.e., American Indian reservations, off-reservation trust lands, tribal jurisdiction statistical areas (Oklahoma), tribal designated statistical areas, Alaska Native village statistical areas, and Alaska Native Regional Corporations
1990 CP-1-1B	General Population Characteristics for Metropolitan Areas	U.S.	Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics	Individual MA's. For MA's split by State boundaries, summaries are provided both for the parts and for the whole MA
1990 CP-1-1C	General Population Characteristics for Urbanized Areas	U.S.	Detailed statistics on age, sex, race, Hispanic origin, marital status, and household relationship characteristics	Individual UA's. For UA's split by State boundaries, summaries are provided both for the parts and for the whole UA
Sample Data				
1990 CP-2	Social and Economic Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Statistics generally on sample population subjects	States (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county subdivisions of 2,500 or more inhabitants in selected States, Alaska Native areas, and the State portion of American Indian areas
1990 CP-2-1A	Social and Economic Characteristics for American Indian and Alaska Native Areas	U.S.	Statistics generally on sample population subjects	American Indian and Alaska Native areas, as for CP-1-1A
1990 CP-2-1B	Social and Economic Characteristics for Metropolitan Areas	U.S.	Statistics generally on sample population subjects	Individual MA's, as for CP-1-1B
1990 CP-2-1C	Social and Economic Characteristics for Urbanized Areas	U.S.	Statistics generally on sample population subjects	Individual UA's, as for CP-1-1C
1990 CP-3	Population Subject Reports	Selected subjects	Approximately 30 reports on population census subjects such as migration, education, income, the older population, and racial and ethnic groups	Generally limited to the U.S., regions, and divisions; for some reports, other highly populated areas such as States, MA's, counties, and large places

Figure 2. 1990 Census Printed Reports—Con.

Series	Title	Report(s) issued for	Description	Geographic areas
1990 CENSUS OF HOUSING (1990 CH)				
100-Percent Data				
1990 CH-1	General Housing Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics	States, counties, places of 1,000 or more inhabitants, county subdivisions of 1,000 or more inhabitants in selected States, State parts of American Indian areas, Alaska Native areas, and summary geographic areas such as urban and rural
1990 CH-1-1A	General Housing Characteristics for American Indian and Alaska Native Areas	U.S.	Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics	American Indian and Alaska Native areas; i.e., American Indian reservations, trust lands, tribal jurisdiction statistical areas (Oklahoma), tribal designated statistical areas, Alaska Native village statistical areas, and Alaska Native Regional Corporations
1990 CH-1-1B	General Housing Characteristics for Metropolitan Areas	U.S.	Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics	Individual MA's. For MA's split by State boundaries, summaries are provided both for the parts and for the whole MA
1990 CH-1-1C	General Housing Characteristics for Urbanized Areas	U.S.	Detailed statistics on units in structure, value and rent, number of rooms, tenure, and vacancy characteristics	Individual UA's. For UA's split by State boundaries, summaries are provided both for the parts and for the whole UA
Sample Data				
1990 CH-2	Detailed Housing Characteristics	U.S., States, DC, Puerto Rico, and U.S. Virgin Islands	Statistics generally on sample housing subjects	States (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county subdivisions of 2,500 or more inhabitants in selected States, Alaska Native areas, and State parts of American Indian areas
1990 CH-2-1A	Detailed Housing Characteristics for American Indian and Alaska Native Areas	U.S.	Statistics generally on sample housing subjects	American Indian and Alaska Native areas, as in 1990 CH-1-1A
1990 CH-2-1B	Detailed Housing Characteristics for Metropolitan Areas	U.S.	Statistics generally on sample housing subjects	Individual MA's, as in 1990 CH-1-1B
1990 CH-2-1C	Detailed Housing Characteristics for Urbanized Areas	U.S.	Statistics generally on sample housing subjects	Individual UA's, as in 1990 CH-1-1C
1990 CH-3	Housing Subject Reports	Selected subjects	Approximately 10 reports on housing census subjects such as structural characteristics and space utilization	Generally limited to U.S., regions, and divisions; for some reports, other highly populated areas such as States, MA's, counties, and large places

Figure 3. 1990 Census Summary Tape Files

Summary Tape File
(STF 1A, 1B, etc.)
and data type
(100 percent or
sample)¹

		Geographic areas	Description
STF 1 (100 percent)	A ^{2 3}	States, counties, county subdivisions, places, census tracts/block numbering areas (BNA's), block groups (BG's). Also Alaska Native areas and State parts of American Indian areas	Over 900 cells/items of 100-percent population and housing counts and characteristics for each geographic area
	B ^{2 3}	States, counties, county subdivisions, places, census tracts/BNA's, BG's, blocks. Also Alaska Native areas and State parts of American Indian areas	
	C ³	U.S., regions, divisions, States (including summaries such as urban and rural), counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, metropolitan areas (MA's), urbanized areas (UA's), American Indian and Alaska Native areas	
	D	Congressional districts (CD's) of the 103rd Congress by State; and within each CD: counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, Alaska Native areas, and American Indian areas	
STF 2 (100 percent)	A	In MA's: counties, places of 10,000 or more inhabitants, and census tracts/BNA's. In the remainder of each State: counties, places of 10,000 or more inhabitants, and census tracts/BNA's	Over 2,100 cells/items of 100-percent population and housing counts and characteristics for each geographic area. Each of the STF 2 files will include a set of tabulations for the total population and separate presentations of tabulations by race and Hispanic origin
	B	States (including summaries such as urban and rural), counties, places of 1,000 or more inhabitants, county subdivisions, State parts of American Indian areas, and Alaska Native areas	
	C	U.S., regions, divisions, States (including summaries such as urban and rural), counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, all county subdivisions in New England MA's, American Indian and Alaska Native areas, MA's, UA's	
STF 3 (Sample)	A ^{2 3}	States, counties, county subdivisions, places, census tracts/BNA's, BG's. Also Alaska Native areas and State parts of American Indian areas	Over 3,300 cells/items of sample population and housing characteristics for each geographic area
	B ³	Five-digit ZIP Codes within each State	
	C ³	U.S., regions, divisions, States, counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, American Indian and Alaska Native areas, MA's, UA's	
	D	CD's of the 103rd Congress by State; and within each CD: counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States	

Figure 3. 1990 Census Summary Tape Files—Con.

Summary Tape File
(STF 1A, 1B, etc.)
and data type
(100 percent or
sample)¹

		Geographic areas	Description
STF 4 (Sample)	A	In MA's: counties, places of 10,000 or more inhabitants, and census tracts/BNA's. In the remainder of each State: counties, places of 10,000 or more inhabitants, and census tracts/BNA's	
	B	State (including summaries such as urban and rural), counties, places of 2,500 or more inhabitants, county subdivisions of 2,500 or more inhabitants in selected States, all county subdivisions in New England MA's, State parts of American Indian areas, and Alaska Native areas	Over 8,500 cells/items of sample population and housing characteristics for each geographic area. Each of the STF 4 files will include a set of tabulations for the total population and separate presentations of tabulations by race and Hispanic origin.
	C	U.S., regions, divisions, States (including urban and rural and metropolitan and nonmetropolitan components), counties, places of 10,000 or more inhabitants, county subdivisions of 10,000 or more inhabitants in selected States, all county subdivisions in New England MA's, American Indian and Alaska Native areas, MA's, UA's	

¹Similar STF's will be prepared for Puerto Rico and the U.S. Virgin Islands.

²Also available on microfiche. STF 1B microfiche provides only part of the data for blocks and other areas in the tape file.

³Also available on laser disc (CD-ROM). STF 1B CD-ROM presents the same file extract as STF 1B microfiche.

Figure 4. Other 1990 Census Data Products

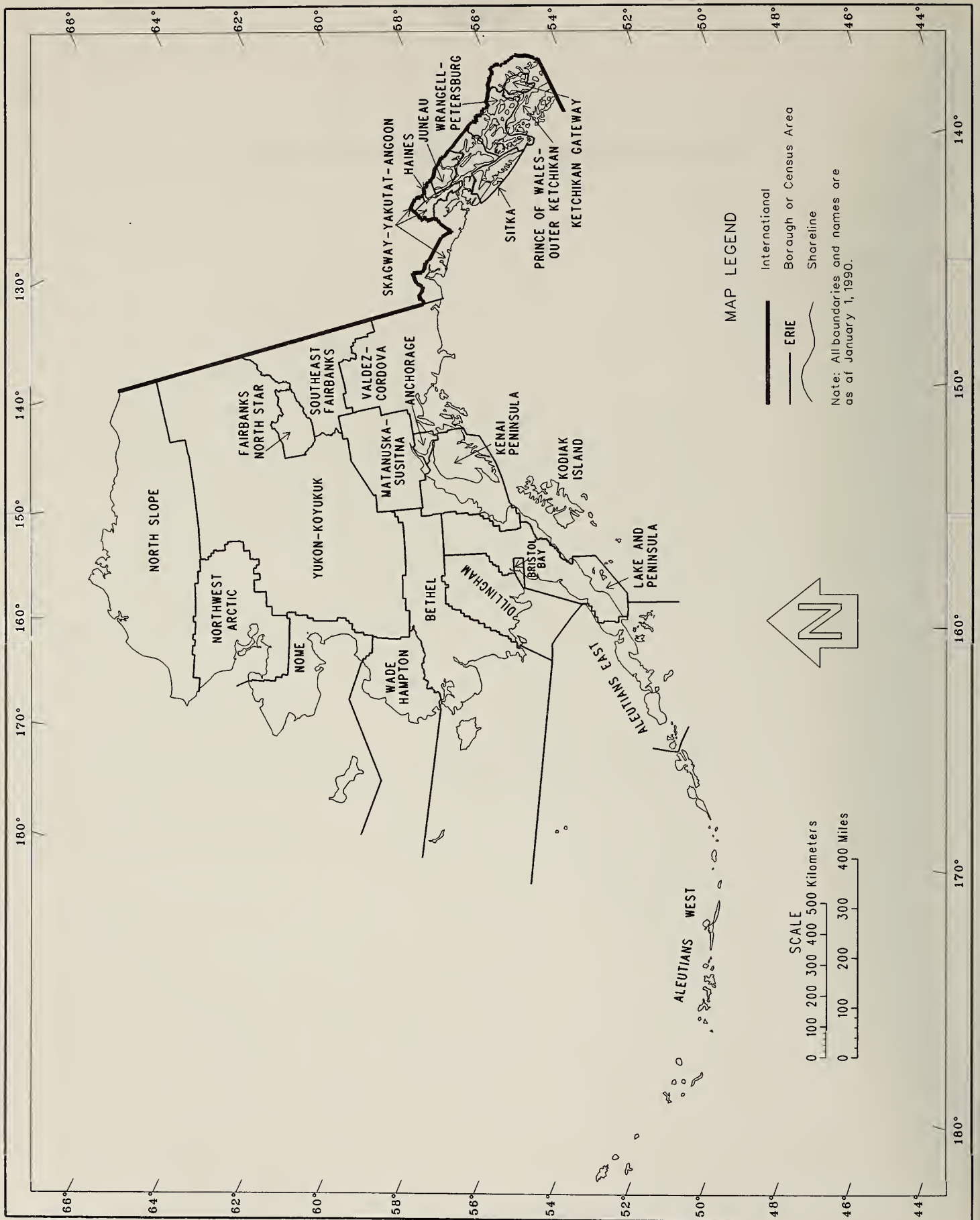
Title	Description	Geographic areas
Subject Summary Tape Files	About 20 computer tape files used to produce the subject reports (1990 CP-3 and 1990 CH-3 series). On the average, a file is the source of two subject reports	U.S., regions, divisions, States, metropolitan areas (MA's), and large counties and places
Public Law 94-171 Data File (redistricting data)	Counts by total, race, and Hispanic origin for the total population and population 18 years old and over, and counts of housing units. Available on tape, CD-ROM, and paper listings	States, counties, county subdivisions, places, census tracts/block numbering areas (BNA's), block groups (BG's), and blocks; voting districts where States have identified them for the Census Bureau; and American Indian and Alaska Native areas
Census/Equal Employ- ment Opportunity (EEO) Special File	Sample tabulations showing detailed occupa- tions and educational attainment data by age; cross tabulated by sex, Hispanic origin, and race	Counties, MA's, places of 50,000 or more inhabitants
County-to-County Migration File	Summary statistics for all intra-state county-to- county migration streams and significant inter- state county-to-county migration streams. Each record will include codes for the geographic area of destination, and selected characteris- tics of the persons who made up the migration stream	States, counties
Public Use Microdata Sample (PUMS) Files	Machine-readable files containing a sample of individual long-form census records showing most population and housing characteristics but with identifying information removed	
5 Percent—PUMS Areas		County groups, counties, county subdivi- sions, and places with 100,000 or more inhabitants
1 Percent—Metro- politan Areas (1990)		MA's and other large areas with 100,000 or more inhabitants
User-Defined Areas Tabulations	A set of standard tabulations provided on print- outs, tapes, or other products with maps and narrative (if requested)	User-defined areas created by aggregating census blocks
Special Tabulations	User-defined tabulations for specified geo- graphic areas provided on printouts, tapes, or other products	User-defined areas or standard areas

APPENDIX G.

Maps

Maps showing geographic areas for this report begin on page G-2.

Congressional District (At Large)



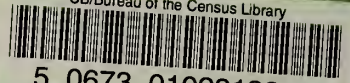
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